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ABSTRACT

Data in the tables of this publication were derived from the Survey of Federal Funds for Research and Development, Volume 44, for Fiscal Years 1994-96. They reflect research and development (R&D) funding levels reported by 32 Federal agencies from February through November 1995. R&D totals in the tables are given in both outlays and obligations. The R&D obligation data are further categorized according to character of work (basic research, applied research, and development), performer, field of science or engineering (for research but not for development), and Federal R&D funding by state. Obligations for research performance at universities and colleges by fields of science or engineering are also shown, as are R&D plant data. (JRH)

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ED 406 191

Federal Funds for Research and Development

Fiscal Years 1994, 1995, and 1996

Volume 44

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Detailed Statistical Tables

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Division of Science Resources Studies
Directorate for Social, Behavioral and Economic Sciences

National Science Foundation

NSF 97-302

Federal Funds for Research and Development

Fiscal Years 1994, 1995, and 1996

Volume 44

Detailed Statistical Tables

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CONTENTS

Section *Page*

Overview ix

General Notes xv

A. Technical Notes 1

B. Federally Funded Research and Development Centers 11

C. Detailed Statistical Tables 17

Appendix A. Agencies Included in This Survey, Volumes 25 to 44 309

OVERVIEW

Federal agencies report a 3-percent decrease in expected Federal funding for research and development (R&D) and R&D plant in fiscal year (FY) 1996, to $71 billion. A 30-percent drop in R&D plant obligations (to $2 billion) and a 4-percent decrease in development funding (to $41 billion) contribute to this decline. Research spending (including basic and applied research) is expected to increase 2 percent (to $28 billion). After adjusting for inflation, agencies expect obligations for R&D and R&D plant to decline 5 percent in FY 1996. The estimated obligations provided here are from reports by Federal agencies to the National Science Foundation (NSF) during the period February through November 1995. They are subject to change as Federal agencies update their budgets to reflect approved programs.

DEFENSE DEVELOPMENT FUNDING

The recent National Academy Press report, *Allocating Federal Funds for Science and Technology* (Washington, DC, 1995) is indicative of the considerable interest in further differentiating between the various parts of the Federal R&D budget. Specifically, the report recommends separate tabulations for the R&D that supports "science and key enabling technologies" (including for military and nondefense applications) and for the R&D that primarily supports "testing and evaluation of large technical systems prior to production" (of mostly defense-related systems). To better understand these components of Federal R&D funding, NSF now collects from sixteen agencies within the Department of Defense (DOD) development dollars in two categories, advanced technology development and major systems development. This *Federal Funds* volume is the first to include such statistics on development funding.

DOD expects to provide $26 billion (87 percent of its total development obligations) toward major systems development, which represents a projected 2-percent drop in FY 1996 (Table 1). Air Force, Navy, Army's

Table 1. Federal Obligations for Development by Agencies in DOD: Fiscal Years 1994-96

Agency	FY 1994 Actual	FY 1995 Estimate	FY 1996 Estimate	Percentage Change FYs 1995-96
	(millions of current dollars)			
Total DOD				
Basic Research	1,222	1,282	1,196	-6.7
Applied Research	3,040	3,169	2,949	-6.9
Development 1/	30,304	30,973	29,561	-4.6
Advanced Tech	4,461	4,496	3,725	-17.1
Major Systems	25,812	26,451	25,811	-2.4
Army				
Development	4,721	4,693	3,864	-17.7
Advanced Tech	1,187	1,087	578	-46.8
Major Systems	3,514	3,584	3,262	-9.0
Navy				
Development	8,082	8,323	7,539	-9.4
Advanced Tech	412	592	502	-15.2
Major Systems	7,670	7,731	7,037	-9.0
Air Force				
Development	11,713	11,871	12,369	4.2
Advanced Tech	448	456	495	8.6
Major Systems	11,265	11,415	11,874	4.0
Total Defense Agencies				
Development	5,544	5,839	5,514	-5.6
Advanced Tech	2,414	2,360	2,150	-8.9
Major Systems	3,120	3,475	3,362	-3.3

1/ DOD development does not equal the sum of the advanced technology and major systems detail because some DOD agencies could not break down development into these two categories.

SOURCE: NSF/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1994, 1995, and 1996.

Military Functions component, and the Ballistic Missile Defense Organization (BMDO) collectively account for $24 billion (95 percent) of the major systems development preliminary obligations. Three of these four top funders expect decreases in major systems development in FY 1996: Army and Navy each expect reductions of 9 percent and BMDO obligations are slated to drop by 2 percent. Air Force will increase its funding for major systems development by about $460 million (4 percent).

DOD reports a 17-percent ($0.8 billion) decrease in its expected advanced technology development obligations (to $3.7 billion) in FY 1996. (Adding in basic and applied research support, DOD's total science and technology R&D budget would decrease 12 percent, from an estimated $8.9 billion in FY 1995 to an expected $7.9 billion in FY 1996.) Advanced technology comprises all of the estimated FY 1996 development funding at the Defense Logistics Agency (DLA) ($30 million) and the Defense Nuclear Agency (DNA) ($34 million) and nearly all ($1.7 billion or 98 percent) at the Advanced Research Projects Agency (ARPA whose name was recently changed back to Defense Advanced Research Projects Agency). Each of these three agencies report a modest increase in expected FY 1996 funding for advanced technology development from FY 1995 totals—DNA up by $4 million, DLA up by $3 million, and ARPA up by $2 million. Six of the 13 Defense agencies project no plans for advanced technology funding, while the others (excluding ARPA) expect obligations ranging from $30 million at DLA to $280 million at Washington Headquarters Services (WHS). (For this survey cycle, the Army Corps of Engineers was unable to breakout its $23 million in development funding.)

ARPA accounts for 46 percent of DOD's estimated FY 1996 total advanced technology development obligations, compared with its substantially smaller 8-percent share of the DOD combined R&D and R&D plant total. The Air Force reports the largest expected increase in advanced technology funding, up 9 percent (or $39 million to $0.5 billion). Army accounts for nearly half of the projected decrease in advanced technology dollars, dropping from $1 billion to $0.6 billion (down 47 percent). The second largest decrease is projected for WHS, which expects a decline of $180 million (down 39 percent) from its FY 1995 funding level.

AGENCY TOTAL FUNDING SHARES

Seven Federal agencies, of the 32 that report to the Federal Funds Survey, account for 92 percent ($66 billion) of total projected Federal funding for R&D and R&D plant in FY 1996 (Table 2). DOD will still comprise the largest share (48 percent) even though its funding is expected to decrease 5 percent from FY 1995 levels. Army (with its 19-percent decrease), Navy (down 9 percent), and combined Defense agencies (down 5 percent) contribute most to DOD's

Table 2. Federal Obligations for R&D and R&D Plant: Fiscal Years 1990-96

Agency	(in millions of current dollars)							Average Annual Change	
	FY 1990 Actual	FY 1991 Actual	FY 1992 Actual	FY 1993 Actual	FY 1994 Actual	FY 1995 Estimate	FY 1996 Estimate	Current FYs 1990-96	Constant FYs 1990-96
Total...........	65,831	64,148	68,577	70,415	69,427	73,029	70,906	1.2	-1.3
DOD.......	37,756	32,561	36,526	36,221	34,788	35,573	33,857	-1.8	-4.2
HHS........	8,513	9,842	9,085	10,499	11,142	11,826	11,989	5.9	3.2
NASA....	7,060	8,004	8,475	8,769	8,812	9,441	8,499	3.1	0.6
DOE........	6,547	7,203	7,493	7,724	6,960	7,236	7,770	2.9	0.3
NSF........	1,729	1,945	1,970	2,012	2,212	2,450	2,540	6.6	4.0
USDA.....	1,211	1,381	1,492	1,470	1,525	1,555	1,476	3.4	0.8
DOC.......	454	505	672	682	857	1,552	1,395	20.6	17.6
Other.......	2,562	2,707	2,864	3,038	3,131	3,396	3,380	4.7	2.1

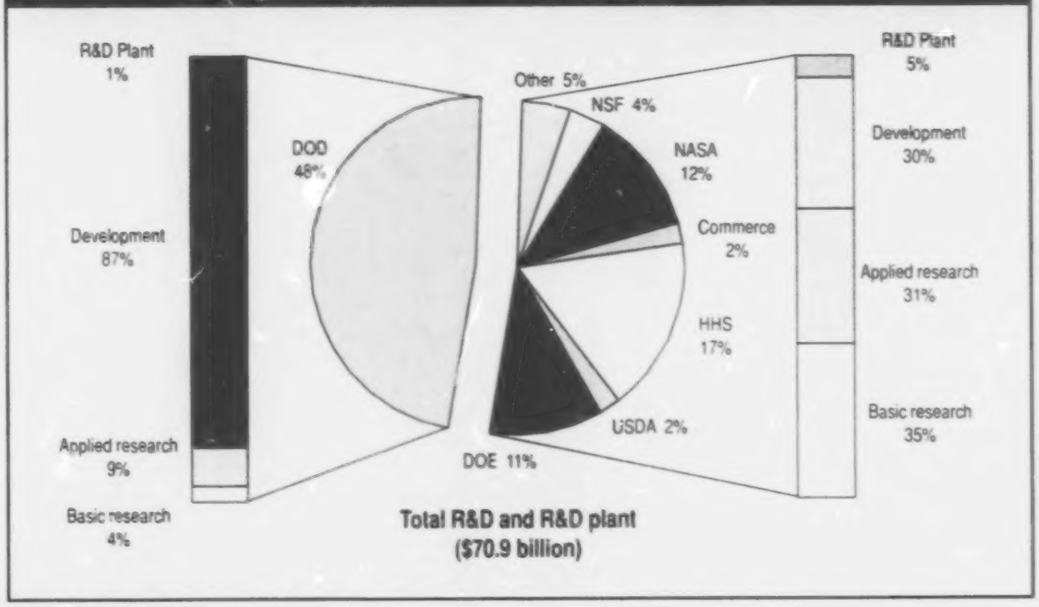
SOURCE: NSF/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1994, 1995, and 1996 drop in overall R&D funding. Within the Defense agencies, the Joint Staff (down 57 percent), Special Operations Command (down 43 percent), and Washington Headquarters Services (down 18 percent) report the largest percentage decreases in overall proposed R&D funding.

Funding from the Department of Health and Human Services (HHS) comprises the second largest share (17 percent) of the expected Federal R&D and R&D plant total (chart 1). HHS projects a 1-percent increase in FY 1996. Most of the HHS amount is for support of the life sciences by its National Institutes of Health. The other top funding agencies are projected to be the National Aeronautics and Space Administration (NASA) (12 percent of the FY 1996 Federal R&D and R&D plant total), the Department of Energy (DOE) (11 percent), NSF (4 percent), the Department of Agriculture (USDA) (2 percent), and the Department of Commerce (DOC) (nearly 2 percent). NASA, DOC, and USDA each report a decline of R&D and R&D plant funding in FY 1996, whereas funding from DOE and NSF is slated to increase.

R&D Growth in the 1990s

Of the seven major R&D funding agencies, DOC reports the largest estimated average annual R&D and R&D plant funding growth rate for the period from FY 1990 to FY 1996—21 percent (18 percent in constant 1987 dollars). DOC's growth reflects the rapid increases in funding at its National Institute of Standards and Technology (NIST). NIST reports that its obligations increased overall from $131 million ($117 million in constant 1987 dollars) in FY 1990 to an estimated $786 million ($604 million in constant 1987 dollars) in FY 1996. The latter figure would have been considerably higher had not NIST also reported a projected 21-percent decrease in R&D funding for FY 1996. NSF follows DOC with a 7-percent average annual growth rate (4 percent in constant 1987 dollars) during the same period. HHS expects to average 6-percent growth per year (3 percent in constant 1987 dollars) in R&D and R&D plant funding from FY 1990 to FY 1996. DOD's obligations will drop on average over 1 percent annually. In constant 1987 dollars, its funding will decrease at an estimated annualized rate of 4 percent over this six-year period.

Chart 1. Projected Federal obligations, by agency and character of work: 1996



SOURCE: NSF/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1994, 1995, and 1996.

FUNDING BY CHARACTER OF WORK

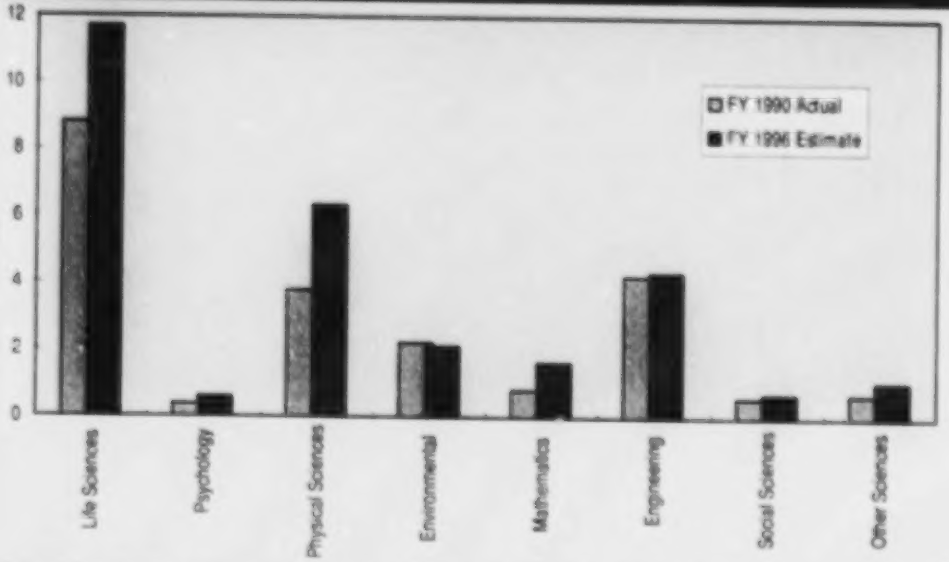
Basic research and applied research each comprise about 20 percent ($14 billion) of the total estimated Federal funding for R&D and R&D plant in FY 1996. Funding for basic research is projected to increase about $0.5 billion (3.5 percent) in FY 1996, and funding for applied research is not expected to change from the previous year. Between FY 1990 and FY 1996, research funding will grow at an estimated average rate of 5 percent, which in constant 1987 dollars would be a 2-percent rate of increase. Federal agencies report applied research increasing at an expected 6-percent growth rate (3 percent in constant 1987 dollars) between FY 1990 and FY 1996, and basic research growing at about 4 percent per year (1 percent in constant 1987 dollars).

Agency reports on expected funding indicate that development and R&D plant will decrease 4 percent and 30 percent, respectively, in FY 1996. Even though development funding is expected to have dropped at an annualized rate of 1 percent (3 percent in constant dollars) from FY 1990 to FY 1996, development still accounts for 57 percent of the expected Federal R&D and R&D plant funding total. Five of the seven major R&D funding agencies project decreases in their R&D plant in FY 1996. The percentage decreases range from 66 percent at DOC (due to projected drops in R&D plant funding at NIST) to 22 percent at NSF. DOE expects R&D plant funding to increase 13 percent, whereas DOD reports less than 1 percent rise in such funds.

FUNDING BY FIELDS OF SCIENCE AND ENGINEERING

Seven of the eight fields of science and engineering identified in the survey show an expected increase in combined basic and applied research funding between FY 1990-96 (Chart 2). In constant 1987 dollars, only funds for the environmental sciences and engineering are expected to drop—by 3 percent and 2 percent, respectively—during this period. Agencies project average annual growth in research support ranging from 0.3 percent (down 2 percent in constant 1987

Chart 2. Federal Obligations for Basic and Applied Research, by Fields of Science and Engineering: FYs 1990 and 1996
(in billions of current dollars)



SOURCE: NSF/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1994, 1995, and 1996.

dollars) for engineering, to 11 percent (8 percent in constant 1987 dollars) for mathematics and computer sciences.

Life sciences continue to receive the greatest share of research funding in FY 1996, accounting for an estimated 41 percent of total Federal research dollars. The biological (excluding environmental) and medical sciences will continue to get the majority (85 percent in FY 1996) of the Federal research funding for the life sciences. The physical sciences will again have the second largest share, accounting for 22 percent of the expected total research obligations. Life and physical sciences plus engineering (the third largest category) account for nearly 80 percent of total Federal research funding expected in FY 1996.

For multidisciplinary or interdisciplinary projects and those projects that cannot be classified within one of the other broad fields of science, an "other sciences, not elsewhere classified" category is used. Since the other sciences category continues to grow (from $270 million in constant 1987 dollars in FY 1990 to $860 million in constant 1987 dollars in FY 1996), it appears to be increasingly difficult for agencies to classify new and emerging science fields into the present taxonomy. Consequently, NSF intends in the future to reevaluate the current fields of science and engineering categories to address how research projects might be better classified in future Federal Funds surveys.

GENERAL NOTES

Data in the tables of this publication were derived from the Survey of Federal Funds for Research and Development, Volume 44, for FYs 1994–96. They reflect research and development (R&D) funding levels as reported by 32 Federal agencies in February through November 1995. All agencies that conduct R&D programs were surveyed.

R&D totals in these tables are given in both outlays and obligations. The R&D obligation data are further categorized according to character of work (basic research, applied research, and development), performer, field of science or engineering (for research but not for development), and Federal R&D funding by State. Obligations for research performance at universities and colleges by fields of science or engineering are also shown, as are R&D plant data.

The amounts reported for each year are expressed in obligations or outlays incurred, or expected to be incurred, in that year, regardless of when the funds may have been authorized, appropriated, or received by an agency, and regardless of whether the funds are identified in an agency's budget specifically for research, development, or R&D plant.

Data for 1994 are actual, representing completed transactions. Data for 1995 and 1996 are estimated because they do not represent final actions. The Survey of Federal Funds for Research and Development was conducted during the third quarter of Fiscal Year 1995 (April-June, 1995). The amounts reported for 1995 reflect congressional appropriation actions as of that period, as well as apportionment and reprogramming decisions as of that time. Data for 1996 represent administration budget proposals that had not been acted on. Authorization, appropriation, deferral, and apportionment actions that were completed after these data were collected will be reflected in later surveys of this series.

Accuracy of the data depends in part on the judgment of the respondent. Since many agency R&D programs are not identified as budget-line items, agency officials must identify R&D and R&D plant activities within broader programs. Over the years personnel of the participating agencies have developed increasing skill and consistency in meeting the survey requirements, and their interaction with the National Science Foundation staff has considerably increased the reliability of the data.

Inquiries relating to *Federal Funds for Research and Development: Fiscal Years 1994, 1995, and 1996,* Volume 44, should be directed to—

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Note

For trend comparison, use only the historical data for fiscal years 1975–96 contained in tables C-89 through C-109a in this Federal funds, Volume 44 series. These tables incorporate changes in prior-year data made by the agencies to reflect program reclassifications. Do not use data published earlier.

SECTION A.

TECHNICAL NOTES

SCOPE AND METHOD

During the period February through November 1995, a total of 32 Federal agencies and their subdivisions—102 individual respondents—submitted data in response to the National Science Foundation's (NSF's) annual Survey of Federal Funds for Research and Development (Federal funds survey), Volume 44, which was distributed in February 1995. The agencies reported their data as obligations and outlays incurred, or expected to be incurred, regardless of when the funds were appropriated or whether they were identified in the respondents' budgets specifically for research and development (R&D) activities.

Only those agencies that had obligations in the variables represented by a particular table appear in that table. For a complete list of the Federal agencies that have been included in the Federal funds survey, refer to appendix A.

DEFINITIONS

The definitions are essentially unchanged from those used in past Federal funds surveys.

1. An **agency** is an organization of the Federal Government whose principal executive officer reports to the President. The Library of Congress is also included in the survey, even though its chief officer reports to Congress. **Subdivision** refers to any organizational unit of a reporting agency, such as a bureau, division, office, or service.

2. **Obligations** and **outlays** reported are consistent with figures shown for fiscal years 1994, 1995, and 1996 appearing in *The Budget of the United States Government, Fiscal Year 1996*. The R&D data in both agency submissions were based on the same definitions and are reconcilable.

   Obligations represent the amounts for orders placed, contracts awarded, services received, and similar transactions during a given period, regardless of when the funds were appropriated and when future payment of money is required.

   Outlays represent the amounts for checks issued and cash payments made during a given period, regardless of when the funds were appropriated.

   Obligations and outlays cover all transactions that occurred in FY 1994 and those estimated for FY 1995-96.

   The data include all Federal funds available to an agency that the agency received or expects to receive from direct appropriations, trust funds, special account receipts, corporate income, or other sources, including funds appropriated to the President.

   The amounts shown for each year reflect obligations or outlays for that year regardless of when the funds were originally authorized or received and regardless of whether or not they were appropriated, received, or identified in the agency's budget specifically for research, development, or R&D plant.

   In reporting its obligations or outlays, **each agency includes the amounts transferred to other agencies for support of research and development. The receiving agencies do not report funds transferred to them.** Similarly, a subdivision of an agency that transfers funds to another subdivision within that agency reports such obligations or outlays as its own.

   Obligations and outlays for R&D performed for an agency in foreign countries include all funds available to the agency for this purpose, including funds separately appropriated for special foreign currency programs.

   Funds reported for research and development reflect full cost coverage. In addition to costs of specific R&D projects, the applicable overhead costs are also included. The amounts reported include the costs of planning and administering R&D programs, laboratory overhead, pay of military personnel, and departmental administration.

3. The **fiscal year** in the Federal Government accounting period begins October 1 of a given year and ends September 30 of the following year; thus, Fiscal Year 1994 began on October 1, 1993, and ended September 30, 1994.

4. **Research, development, and R&D plant** include all direct, incidental, or related costs resulting from, or necessary to, performance of R&D and costs of R&D plant, defined as follows, regardless of whether the R&D is performed by a Federal agency (intramurally) or by private individuals and organizations under grant or contract (extramurally). R&D excludes routine product testing, quality control, mapping and surveys, collection of general purpose statistics, experimental production, and the training of scientific personnel.

   a. **Research** is systematic study directed toward fuller scientific knowledge or understanding of the subject studied. Research is classified as either basic or applied according to the objectives of the sponsoring agency.

   In **basic research** the objective of the sponsoring agency is to gain more complete knowledge or understanding of the fundamental aspects of phenomena and of observable facts, without specific applications toward processes or products in mind.

   In **applied research** the objective of the sponsoring agency is to gain knowledge or understanding necessary for determining the means by which a recognized need may be met.

   b. **Development** is systematic use of the knowledge or understanding gained from research, directed toward the production of useful materials, devices, systems, or methods, including design and development of prototypes and processes. It excludes quality control, routine product testing, and production.

   c. **Demonstration activities** that are part of R&D (i.e., that are intended to prove or to test whether a technology or method does in fact work) are included. Demonstrations intended primarily to make information available about new technologies or methods are excluded.

   d. **R&D plant** (R&D facilities and fixed equipment, such as reactors, wind tunnels, and particle accelerators) includes acquisition of, construction of, major repairs to, or alterations in structures, works, equipment, facilities, or land for use in R&D activities at Federal or non-Federal installations. Excluded from the R&D plant category are expendable or movable equipment (e.g., spectrometers, microscopes) and office furniture and equipment. Also excluded are the costs of predesign studies (e.g., those undertaken before commitment to a specific facility). These excluded costs are reported under "total conduct of research and development." Obligations for foreign R&D plant are limited to Federal funds for facilities located abroad and used in support of foreign research and development.

5. **Fields of science and engineering** in this survey consist of eight broad field categories, each consisting of a number of detailed fields. The broad fields are life sciences; psychology; physical sciences; environmental sciences; mathematics and computer sciences; engineering; social sciences; and other sciences, not elsewhere classified. The term "not elsewhere classified" (n.e.c.) is used for multi-disciplinary projects within a broad field and for single-discipline projects for which a separate field has not been assigned. The following list presents the detailed fields grouped under each of the broad fields, together with illustrative disciplines of detailed fields.

   The illustrative disciplines are intended to be guidelines, not sharp definitions; they represent examples of disciplines generally classified under each detailed field. A discipline under one detailed field may be classified under another detailed field when the major emphasis is elsewhere. Research in biochemistry, for example, might be reported as biological, agricultural, or medical, depending on the orientation of the project. Human biochemistry would be classified under biological, but animal biochemistry or plant biochemistry would fall under agricultural. In no case is the research reported under more than one field. No double-counting is intended or allowed.

a. **Life sciences** consist of five detailed fields: biological (excluding environmental); environmental biology; agricultural; medical; and life sciences, n.e.c. Examples of the disciplines under each of these fields are as follows:

Biological (excluding environmental): anatomy; biochemistry; biology; biometry and biostatistics; biophysics; botany; cell biology; entomology and parasitology; genetics; microbiology; neuroscience (biological); nutrition; physiology; zoology; other biological, n.e.c.

Environmental biology: ecosystem sciences; evolutionary biology; limnology; physiological ecology; population and biotic community ecology; population biology; systematics; other environmental biology, n.e.c.

Agricultural: agronomy; animal sciences; food science and technology; fish and wildlife; forestry; horticulture; phytopathology; phytoproduction; plant sciences; soils and soil science; general agriculture; other agriculture, n.e.c.

Medical: dentistry; internal medicine; neurology; obstetrics and gynecology; ophthalmology; otolaryngology; pathology; pediatrics; pharmacology; pharmacy; preventive medicine; psychiatry; radiology; surgery; veterinary medicine; other medical, n.e.c.

Life sciences, n.e.c.

b. **Psychology** deals with behavior, mental processes, and individual and group characteristics and abilities. Psychology in this survey is divided into three categories: biological aspects; social aspects; and psychological sciences, n.e.c. Examples of the disciplines under each of these fields are as follows:

Biological aspects: animal behavior; clinical psychology; comparative psychology; ethology; experimental psychology

Social aspects: development and personality; educational, personnel, and vocational psychology and testing; industrial and engineering psychology; social psychology

Psychological sciences, n.e.c.

c. **Physical sciences** are concerned with understanding of the material universe and its phenomena. They comprise the fields of astronomy; chemistry; physics; and physical sciences, n.e.c. Examples of disciplines under each of these fields are as follows:

Astronomy: laboratory astrophysics; optical astronomy; radio astronomy; theoretical astrophysics; X-ray, gamma-ray, and neutrino astronomy

Chemistry: inorganic; organic; organometallic; physical

Physics: acoustics; atomic and molecular; condensed matter; elementary particle; nuclear structure; optics; plasma

Physical sciences, n.e.c.

d. **Environmental sciences** (terrestrial and extraterrestrial) are, with one exception, concerned with the gross nonbiological properties of the areas of the solar system that directly or indirectly affect human survival and welfare. The one exception is that obligations for studies pertaining to life in the sea or other bodies of water are reported as support of oceanography and not biology. Environmental sciences comprise the fields of atmospheric sciences; geological sciences; oceanography; and environmental sciences, n.e.c. Examples of disciplines under each of these fields are as follows:

Atmospheric sciences: aeronomy; extraterrestrial atmospheres; meteorology; solar; weather modification

Geological sciences: engineering geophysics; general geology; geodesy and gravity; geomagnetism; hydrology; inorganic geochemistry; isotopic geochemistry; laboratory geophysics; organic geochemistry; paleomagnetism; paleontology; physical geography and cartography; seismology; soil sciences

Oceanography: biological oceanography; chemical oceanography; marine geophysics; physical oceanography

Environmental sciences, n.e.c.

e. **Mathematics and computer sciences** employ logical reasoning with the aid of symbols and are concerned with the development of methods of operation employing such symbols and, in the case of computer sciences, with the application of such methods to automated information systems. Examples of disciplines under these fields are as follows:

Mathematics: algebra; analysis; applied mathematics; foundations and logic; geometry; numerical analysis; statistics; topology

Computer sciences: computer and information sciences (general); design, development, and application of computer capabilities to data storage and manipulation; information sciences and systems; programming languages; systems analysis

Mathematics and computer sciences, n.e.c.

f. **Engineering** is concerned with studies directed toward developing engineering principles or toward making specific principles usable in engineering practice. Engineering in this survey is divided into eight fields: aeronautical; astronautical; chemical; civil; electrical; mechanical; metallurgy and materials; and engineering, n.e.c. Examples of disciplines under each of these fields are as follows:

Aeronautical: aerodynamics

Astronautical: aerospace; space technology

Chemical: petroleum; petroleum refining; process

Civil: architectural; hydraulic; hydrologic; marine; sanitary and environmental; structural; transportation

Electrical: communication; electronic; power

Mechanical: engineering mechanics

Metallurgy and materials: ceramic; mining; textile; welding

Engineering, n.e.c.: agricultural; bioengineering; biomedical; industrial and management; nuclear; ocean; systems

g. **Social sciences** are directed toward an understanding of the behavior of social institutions and groups and of individuals as members of a group. Social sciences include anthropology; economics; political science; sociology; and social sciences, n.e.c. Examples of disciplines under the fields of social science are as follows:

Anthropology: applied anthropology; archaeology; cultural and personality; social and ethnology

Economics: economic systems and development; econometrics and economic statistics; history of economic thought; industrial, labor, and agricultural economics; international economics; macroeconomics; microeconomics; public finance and fiscal policy; theory

Political science: area or regional studies; comparative government; history of political ideas; international relations and law; national political and legal systems; political theory; public administration

Sociology: comparative and historical; complex organizations; culture and social structure; demography; group interactions; social problems and social welfare; sociological theory

Social sciences, n.e.c.: linguistics; research in education; research in history; research in law (e.g., attempts to assess impact on society of legal systems and practices); socioeconomic geography

h. **Other sciences, n.e.c.:** This category is used for multidisciplinary or inter-disciplinary projects that cannot be classified within one of the broad fields of science already listed.

6. A **performer** is either an intramural group or organization carrying out an operational function or an extramural organization or person receiving support or providing services under a contract or grant.

   a. **Intramural performers** are the agencies of the Federal Government. Their work is carried on directly by agency personnel. Obligations reported under this category are for activities performed or to be performed by the reporting agency itself or represent funds that the agency transfers to another Federal agency for performance of work **as long as the ultimate performer is that agency or any Federal agency.** If the ultimate performer is not a Federal agency, the funds so transferred are reported by the transferring agency under the appropriate extramural performer category (universities and colleges, other nonprofit institutions, or industrial firms).

   NOTE: Intramural activities cover not only the actual intramural R&D performance, but also the costs associated with the planning and administration of both intramural and extramural programs by Federal personnel. Intramural activities also include the costs of supplies and equipment, essentially of an "off-the-shelf" nature, that are procured for use in intramural R&D. For example, the purchase from an extramural source of an operational launch vehicle (i.e., one that has gone beyond the development or prototype stage) that is used for intramural performance of R&D is reported as a part of the cost of intramural R&D.

   b. **Extramural performers** are organizations outside the Federal sector that perform R&D with Federal funds under contract, grant, or cooperative agreement. Only those costs associated with actual R&D performance are reported, but these costs would include costs of materials and supplies to carry out R&D activities. Note, however, that the costs of off-the-shelf supplies and equipment required to support intramural R&D and procured from extramural suppliers are considered as part of the costs of intramural performance and not as part of the costs of extramural performance.

   Extramural performers are identified as follows:

      i. **Industrial firms:** Organizations that may legally distribute net earnings to individuals or to other organizations.

      ii. **Universities and colleges:** Institutions engaged primarily in providing resident and/or accredited instruction for at least a 1-year program above the secondary school level. Included are colleges of liberal arts; schools of arts and sciences; professional schools, as in engineering and medicine, including affiliated hospitals and associated research institutes; and agricultural experiment stations.

iii. **Other nonprofit institutions:** Private organizations other than educational institutions whose net earnings in no part inure to the benefit of a private stockholder or individual and other private organizations organized for the exclusive purpose of turning over their entire net earnings to such nonprofit organizations.

iv. **Federally funded research and development centers (FFRDCs):** R&D-performing organizations that are exclusively or substantially financed by the Federal Government and are supported by the Federal Government either to meet a particular R&D objective or, in some instances, to provide major facilities at universities for research and associated training purposes. Each center is administered either by an industrial firm, a university, or another nonprofit institution.

In general, all of the following criteria are met by an organization that is included in the FFRDC category:

(1) Its primary activities include one or more of the following: basic research, applied research, development, or management of research and development (specifically excluded are organizations engaged primarily in routine quality control and testing, routine service activities, production, mapping and surveys, and information dissemination);

(2) It is a separate operational unit within the parent organization or is organized as a separately incorporated organization;

(3) It performs actual research and development or R&D management either upon direct request by the Federal Government or under a broad charter from the Federal Government but in either case under the direct monitorship of the Federal Government;

(4) It receives its major financial support (70 percent or more) from the Federal Government, usually from one agency;

(5) It has, or is expected to have, a long-term relationship with its sponsoring agency (about 5 years or more), as evidenced by specific obligations assumed by it and the agency;

(6) Most or all of its facilities are owned by, or are funded under contract with, the Federal Government; and

(7) It has an average annual budget (operating and capital equipment) of at least $500,000.

v. **State and local governments:** State and local government agencies, excluding State or local universities and colleges, agricultural experiment stations, medical schools, and affiliated hospitals. (Federal R&D funds obligated directly to such State and local institutions excluded in this category are included under the "Universities and colleges" category in this report.) R&D activities under the State and local category are performed either by the State or local agencies themselves or by other organizations under grants or contracts from such agencies. Regardless of the ultimate performer, Federal R&D funds directed to State and local governments are reported under this sector and no other.

vi. **Foreign performers:** Foreign citizens, foreign organizations, or foreign governments, as well as international organizations (such as the North Atlantic Treaty Organization (NATO), United Nations Educational, Scientific, and Cultural Organization (UNESCO), and World Health Organization (WHO)), performing R&D work abroad financed by the Federal Government. Excluded are U.S. agencies, organizations, or citizens performing R&D abroad for the Federal Government; the survey does not seek information on "offshore" payments. An exception is made in the case of U.S. citizens performing R&D abroad under special foreign currency funds; these activities are included under "Foreign performers." Foreign scientists performing in the United States are excluded, however.

vii. **Private individuals:** For cases wherein an R&D grant or contract is awarded directly to a private individual, obligations incurred are placed under "Industrial firms."

7. **Federal obligations for research performed at universities and colleges, by detailed field of science:** Only six agencies participate in the portion of the survey covering the funding of research at universities and colleges by detailed field of science. These six agencies represent approximately 96 percent of the Federal research obligations to universities and colleges. The six agencies are the Departments of Agriculture, Defense, Energy, and Health and Human Services; the National Aeronautics and Space Administration (NASA); and the National Science Foundation (NSF).

8. **Geographic distribution of 1994 R&D obligations**

   a. Only the 10 largest R&D funding agencies participate in the portion of the survey covering the geographic distribution of obligations for research and development and R&D plant. These 10 agencies accounted for approximately 98 percent of total Federal R&D and R&D plant obligations in 1994. The respondents are the Departments of Agriculture, Commerce, Energy, Defense, Health and Human Services, the Interior, and Transportation; the Environmental Protection Agency; NASA; and NSF.

   b. Actual fiscal year 1994 data were requested in terms of the principal location (State or outlying area) where the work was performed by the primary contractor, grantee, or intramural organization. When this information was not available in their records, the respondents were asked to assign the obligations to the State, outlying area, or office abroad where the headquarters of the U.S. primary contractor, grantee, or intramural organization was located.

   c. Obligations were reported for R&D as a combined amount.

   d. Specifically omitted from the geographic portion of the survey were R&D obligations to foreign performers and obligations for R&D plant used in support of foreign performers. Foreign performer data, by country, are reported in a separate section of the Federal funds survey.

CHANGES IN REPORTING

While completing the survey forms each year, agency respondents make revisions to their estimates for the latest 2 years of the previous report, in this case fiscal years 1994 and 1995. Such revision is part of the budgetary cycle. From time to time survey submissions also reflect reappraisals and revisions in classification of various aspects of agencies' R&D programs. When such revisions occur, NSF requires the agencies to provide revised prior-year data to maintain consistency and comparability with the most recent concepts.

LIMITATIONS OF THE DATA

Funds for research and development were reported on a 3-year basis comparable with the 1996 budget, upon which the data were based. The amounts reported for each year, as already stated, are the obligations or outlays incurred in that year, regardless of when funds were authorized or received by an agency and regardless of whether the funds were identified in the agency's budget specifically for research, development, R&D plant, or some combination of the three.

The respondents reconciled the data reported to the Federal funds survey with the amounts for R&D they reported to the Office of Management and Budget for the 1996 budget.

Some agencies are not able to report the full costs of research and development. For example, the headquarters costs of planning and administering R&D programs of the Department of Defense (DoD) (estimated at a fraction of 1 percent of the agency's R&D total) are excluded, because this agency has stated that identification of the amounts is impracticable.

R&D plant data are also underreported to some extent because of the difficulty encountered by some agencies, particularly DoD and NASA, in identifying and reporting these data. DoD's respondents report obligations for the R&D plant funded under the agency's construction appropriation, but they are able to identify only a small portion of the R&D plant support that is within R&D contracts funded from DoD's appropriation for research, development, testing, and evaluation. Similarly, NASA respondents cannot separately identify the portions of industrial R&D contracts that apply to R&D plant; R&D plant data are subsumed in the R&D data covering industrial performance. NASA R&D plant data for other performing sectors are reported separately.

SECTION B.

FEDERALLY FUNDED RESEARCH AND DEVELOPMENT CENTERS, BY AGENCY AND TYPE OF ADMINISTRATION

The following is the master list of federally funded research and development centers (FFRDCs) included in the Federal funds survey for fiscal years 1994–96. The list is arranged by sponsoring agency and administering organization. Respondents reported under the FFRDC category those funds obligated to centers identified on this list.

Federally funded R&D centers, by agency and type of administration

Sponsoring agency	Administered by universities and colleges /1	Administered by other nonprofit institutions /2	Administered by industrial firms
DEPARTMENT OF DEFENSE: Office of the Secretary of Defense		Institute for Defense Analyses (IDA), Alexandria, VA Logistics Management Institute (LMI), McLean, VA /3 National Defense Research Institute (RAND Corp. /4), Santa Monica, CA C3I Federally Funded Research and Development Center (MITRE Corp. /5), Bedford, MA, and McLean, VA	
Advanced Research Projects Agency	Software Engineering Institute (Carnegie Mellon University), Pittsburgh, PA		
Department of the Navy		Center for Naval Analyses, Alexandria, VA	
Department of the Air Force	Lincoln Laboratory (Massachusetts Institute of Technology), Lexington, MA	Aerospace Corp., El Segundo, CA Project Air Force (RAND Corp. /4), Santa Monica, CA	
DEPARTMENT OF ENERGY	Ames Laboratory (Iowa State University of Science and Technology), Ames, IA Argonne National Laboratory (University of Chicago), Argonne, IL	Inhalation Toxicology Research Institute (Lovelace Biomedical and Environmental Research Institute), Albuquerque, NM National Renewable Energy Research Laboratory (Midwest Research Institute /6), Golden, CO	Energy Technology Engineering Center (Rockwell International Corporation), Canoga Park, CA Idaho National Engineering Laboratory (EG&G Idaho, Inc; Argonne National Laboratory West; Westinghouse Electric Corp.), Idaho Falls, ID

See explanatory information, if any, and SOURCE at end of table.

Federally funded R&D centers, by agency and type of administration - Continued

Sponsoring agency	Administered by universities and colleges /1	Administered by other nonprofit institutions /2	Administered by industrial firms
	Brookhaven National Laboratory (Associated Universities, Inc.), Upton, Long Island, NY Continuous Electron Beam Accelerator Facility (Southeastern Universities Research Association), Newport News, VA Fermi National Accelerator Laboratory (Universities Research Association, Inc.), Batavia, IL Lawrence Berkeley Laboratory (University of California), Berkeley, CA Lawrence Livermore National Laboratory (University of California), Livermore, CA Los Alamos National Scientific Laboratory (University of California), Los Alamos, NM Oak Ridge Institute for Science and Education (Oak Ridge Associated Universities, Inc.), Oak Ridge, TN Princeton Plasma Physics Laboratory (Princeton University), Princeton, NJ Stanford Linear Accelerator Center (Leland Stanford Junior University), Stanford, CA	Pacific Northwest Laboratories (Battelle Memorial Institute), Richland, WA	Oak Ridge National Laboratory (Martin Marietta Energy Systems, Inc.), Oak Ridge, TN Sandia National Laboratory (Martin Marietta, Inc.), Albuquerque, NM Savanna River Laboratory (Westinghouse Electric Corp.), Aiken, SC
DEPARTMENT OF HEALTH AND HUMAN SERVICES:			
National Institutes of Health			NCI Frederick Cancer Research and Development Center (Program Resources, Inc.; Advanced BioScience Laboratories, Inc.; Harlan Sprague Dawley, Inc.; Data Management Services, Inc.), Frederick, MD
NATIONAL AERONAUTICS AND SPACE ADMINISTRATION	Jet Propulsion Laboratory (California Institute of Technology), Pasadena, CA		

See explanatory information, if any, and SOURCE at end of table.

Federally funded R&D centers, by agency and type of administration - Continued

Sponsoring agency	Administered by universities and colleges /1	Administered by other nonprofit institutions /2	Administered by industrial firms
NATIONAL SCIENCE FOUNDATION	National Astronomy and Ionosphere Center (Cornell University), Arecibo, PR National Center for Atmospheric Research (University Corp. for Atmospheric Research), Boulder, CO National Optical Astronomy Observatories (Association of Universities for Research in Astronomy, Inc. /7), Tucson, AZ National Radio Astronomy Observatory (Associated Universities, Inc.), Green Bank, WV	Critical Technologies Institute (RAND Corp. /4), Washington DC	
NUCLEAR REGULATORY COMMISSION		Center for Nuclear Waste Regulatory Analyses (Southwest Research Institute), San Antonio, TX	
DEPARTMENT OF TRANSPORTATION:			
Federal Aviation Administration		Center for Advanced Aviation System Development (MITRE Corp. /5), McLean, VA	
DEPARTMENT OF THE TREASURY:			
Internal Revenue Service		Tax Systems Modernization Institute (IIT Research Institute), Lanham, MD	

1/ Includes university consortia.

2/ That is, other than universities and colleges.

3/ Logistics Management Institute (LMI) moved from Bethesda, MD, to McLean, VA, in May 1994.

4/ The following portions of the RAND Corp. are FFRDCs: Project Air Force, National Defense Research Institute (formerly Defense/Office of the Joint Chiefs of Staff), the Arroyo Center, and the Critical Technologies Institute. All other agency support to RAND is reported under "other non-profit institutions excluding FFRDCs."

5/ Only the C3I Federally Funded Research and Development Center and the Center for Advanced Aviation System Development parts of the MITRE Corp. are FFRDCs. All other agency support to MITRE is reported under "other nonprofit institutions excluding FFRDCs."

6/ In September 1991, the name was changed from Solar Energy Research Institute.

7/ Since February 1984 this center has included three former FFRDCs: Cerro Tololo Inter-American Observatory, Kitt Peak National Observatory, and the National Solar Observatory (formerly Sacramento Peak Observatory).

NOTE: The Department of the Army decertified the Institute for Advanced Technology (University of Texas), Austin, TX as an FFRDC in November 1993.

SOURCE: National Science Foundation SRS.

SECTION C.

DETAILED STATISTICAL TABLES

LIST OF TABLES

Table *Page*

RESEARCH, DEVELOPMENT, AND R&D PLANT

A Federal obligations for research and development, by character of work and R&D plant: fiscal years 1956–96 31

C-1 Summary of Federal funds for research and development and for R&D plant: fiscal years 1994, 1995, and 1996 32

C-2 Federal funds for research and development and for R&D plant, by agency: fiscal years 1994, 1995, and 1996 34

RESEARCH AND DEVELOPMENT—AGENCY, CHARACTER OF WORK, AND PERFORMER

C-3 Federal funds for total research and development, by agency: fiscal years 1994, 1995, and 1996 37

C-4 Federal obligations for total research and development, by agency and character of work: fiscal year 1994 40

C-5 Estimated Federal obligations for total research and development, by agency and character of work: fiscal year 1995 43

C-6 Estimated Federal obligations for total research and development, by agency and character of work: fiscal year 1996 46

C-7 Federal obligations for total research and development, by agency and performer: fiscal year 1994 49

C-8 Estimated Federal obligations for total research and development, by agency and performer: fiscal year 1995 53

C-9 Estimated Federal obligations for total research and development, by agency and performer: fiscal year 1996 57

C-10 Federal obligations for research and development and for R&D plant to federally funded research and development centers, by agency: fiscal year 1994 61

C-11 Estimated Federal obligations for research and development and for R&D plant to federally funded research and development centers, by agency: fiscal year 1995 62

C-12 Estimated Federal obligations for research and development and for R&D plant to federally funded research and development centers, by agency: fiscal year 1996 63

Table *Page*

C-13 Federal obligations for research and development to federally funded research and development centers (FFRDCs), by individual FFRDC and agency: fiscal year 1994 64

C-14 Federal obligations for R&D plant to federally funded research and development centers (FFRDCs), by individual FFRDC and agency: fiscal year 1994 65

TOTAL RESEARCH—AGENCY, PERFORMER, AND FIELD OF SCIENCE AND ENGINEERING

C-15 Federal obligations for research, by agency and performer: fiscal year 1994 66

C-16 Estimated Federal obligations for research, by agency and performer: fiscal year 1995 69

C-17 Estimated Federal obligations for research, by agency and performer: fiscal year 1996 72

C-18 Federal obligations for research, by detailed field of science and engineering: fiscal years 1994, 1995, and 1996 75

C-19 Federal obligations for research, by agency and field of science and engineering: fiscal year 1994 76

C-20 Estimated Federal obligations for research, by agency and field of science and engineering: fiscal year 1995 79

C-21 Estimated Federal obligations for research, by agency and field of science and engineering: fiscal year 1996 82

C-22 Federal obligations for research in psychology and life sciences, by agency and detailed field of science: fiscal year 1994 85

C-23 Federal obligations for research in physical and environmental sciences, by agency and detailed field of science: fiscal year 1994 87

C-24 Federal obligations for research in engineering, by agency and detailed field of engineering: fiscal year 1994 89

C-25 Federal obligations for research in mathematics and computer sciences and in social sciences, by agency and detailed field of science: fiscal year 1994 91

Table *Page*

BASIC RESEARCH—AGENCY, PERFORMER, AND FIELD OF SCIENCE AND ENGINEERING

C-26 Federal obligations for basic research, by agency and performer: fiscal year 1994 94

C-27 Estimated Federal obligations for basic research, by agency and performer: fiscal year 1995 96

C-28 Estimated Federal obligations for basic research, by agency and performer: fiscal year 1996 98

C-29 Federal obligations for basic research, by detailed field of science and engineering: fiscal years 1994, 1995, and 1996 100

C-30 Federal obligations for basic research, by agency and field of science and engineering: fiscal year 1994 101

C-31 Estimated Federal obligations for basic research, by agency and field of science and engineering: fiscal year 1995 103

C-32 Estimated Federal obligations for basic research, by agency and field of science and engineering: fiscal year 1996 105

C-33 Federal obligations for basic research in psychology and life sciences, by agency and detailed field of science: fiscal year 1994 107

C-34 Federal obligations for basic research in physical and environmental sciences, by agency and detailed field of science: fiscal year 1994 108

C-35 Federal obligations for basic research in engineering, by agency and detailed field of engineering: fiscal year 1994 109

C-36 Federal obligations for basic research in mathematics and computer sciences and in social sciences, by agency and detailed field of science: fiscal year 1994 110

APPLIED RESEARCH—AGENCY, PERFORMER, AND FIELD OF SCIENCE AND ENGINEERING

C-37 Federal obligations for applied research, by agency and performer: fiscal year 1994 111

C-38 Estimated Federal obligations for applied research, by agency and performer: fiscal year 1995 114

Table *Page*

C-39 Estimated Federal obligations for applied research, by agency and performer: fiscal year 1996 117

C-40 Federal obligations for applied research, by detailed field of science and engineering: fiscal years 1994, 1995, and 1996 120

C-41 Federal obligations for applied research, by agency and field of science and engineering: fiscal year 1994 121

C-42 Estimated Federal obligations for applied research, by agency and field of science and engineering: fiscal year 1995 124

C-43 Estimated Federal obligations for applied research, by agency and field of science and engineering: fiscal year 1996 127

C-44 Federal obligations for applied research in psychology and life sciences, by agency and detailed field of science: fiscal year 1994 130

C-45 Federal obligations for applied research in physical and environmental sciences, by agency and detailed field of science: fiscal year 1994 132

C-46 Federal obligations for applied research in engineering, by agency and detailed field of engineering: fiscal year 1994 134

C-47 Federal obligations for applied research in mathematics and computer sciences and in social sciences, by agency and detailed field of science: fiscal year 1994 136

DEVELOPMENT—AGENCY AND PERFORMER

C-48 Federal obligations for development, by agency and performer: fiscal year 1994 139

C-49 Estimated Federal obligations for development, by agency and performer: fiscal year 1995 142

C-50 Estimated Federal obligations for development, by agency and performer: fiscal year 1996 145

R&D PLANT—AGENCY AND PERFORMER

C-51 Federal funds for R&D plant, by agency: fiscal years 1994, 1995, and 1996 148

C-52 Federal obligations for R&D plant, by agency and performer of the research and development the plant supports: fiscal year 1994 149

Table *Page*

C-53 Estimated Federal obligations for R&D plant, by agency and performer of the research and development the plant supports: fiscal year 1995 151

C-54 Estimated Federal obligations for R&D plant, by agency and performer of the research and development the plant supports: fiscal year 1996 153

TOTAL RESEARCH PERFORMED AT UNIVERSITIES AND COLLEGES—AGENCY AND FIELD OF SCIENCE AND ENGINEERING

C-55 Federal obligations for research performed at universities and colleges, by detailed field of science and engineering: fiscal years 1994, 1995, and 1996 155

C-56 Federal obligations for research performed at universities and colleges, by agency and field of science and engineering: fiscal year 1994 156

C-57 Estimated Federal obligations for research performed at universities and colleges, by agency and field of science and engineering: fiscal year 1995 157

C-58 Estimated Federal obligations for research performed at universities and colleges, by agency and field of science and engineering: fiscal year 1996 158

C-59 Federal obligations for research performed at universities and colleges in psychology and life sciences, by agency and detailed field of science: fiscal year 1994 159

C-60 Federal obligations for research performed at universities and colleges in physical and environmental sciences, by agency and detailed field of science: fiscal year 1994 160

C-61 Federal obligations for research performed at universities and colleges in engineering, by agency and detailed field of engineering: fiscal year 1994 161

C-62 Federal obligations for research performed at universities and colleges in mathematics and computer sciences and in social sciences, by agency and detailed field of science: fiscal year 1994 162

BASIC RESEARCH PERFORMED AT UNIVERSITIES AND COLLEGES—AGENCY AND FIELD OF SCIENCE AND ENGINEERING

C-63 Federal obligations for basic research performed at universities and colleges, by detailed field of science and engineering: fiscal years 1994, 1995, and 1996 163

Table *Page*

C-64 Federal obligations for basic research performed at universities and colleges, by agency and field of science and engineering: fiscal year 1994 164

C-65 Estimated Federal obligations for basic research performed at universities and colleges, by agency and field of science and engineering: fiscal year 1995 165

C-66 Estimated Federal obligations for basic research performed at universities and colleges, by agency and field of science and engineering: fiscal year 1996 166

C-67 Federal obligations for basic research performed at universities and colleges in psychology and life sciences, by agency and detailed field of science: fiscal year 1994 167

C-68 Federal obligations for basic research performed at universities and colleges in physical and environmental sciences, by agency and detailed field of science: fiscal year 1994 168

C-69 Federal obligations for basic research performed at universities and colleges in engineering, by agency and detailed field of engineering: fiscal year 1994 169

C-70 Federal obligations for basic research performed at universities and colleges in mathematics and computer sciences and in social sciences, by agency and detailed field of science: fiscal year 1994 170

APPLIED RESEARCH PERFORMED AT UNIVERSITIES AND COLLEGES—AGENCY AND FIELD OF SCIENCE AND ENGINEERING

C-71 Federal obligations for applied research performed at universities and colleges, by detailed field of science and engineering: fiscal years 1994, 1995, and 1996 171

C-72 Federal obligations for applied research performed at universities and colleges, by agency and field of science and engineering: fiscal year 1994 172

C-73 Estimated Federal obligations for applied research performed at universities and colleges, by agency and field of science and engineering: fiscal year 1995 173

C-74 Estimated Federal obligations for applied research performed at universities and colleges, by agency and field of science and engineering: fiscal year 1996 ... 174

C-75 Federal obligations for applied research performed at universities and colleges in psychology and life sciences, by agency and detailed field of science: fiscal year 1994 175

C-76 Federal obligations for applied research performed at universities and colleges in physical and environmental sciences, by agency and detailed field of science: fiscal year 1994 176

Table *Page*

C-77 Federal obligations for applied research performed at universities and colleges in engineering, by agency and detailed field of engineering: fiscal year 1994 177

C-78 Federal obligations for applied research performed at universities and colleges in mathematics and computer sciences and in social sciences, by agency and detailed field of science: fiscal year 1994 178

GEOGRAPHIC DISTRIBUTION—RESEARCH AND DEVELOPMENT AND R&D PLANT

C-79 Federal obligations for research and development and for R&D plant, by State: fiscal year 1994 179

C-80 Federal obligations for research and development, by State and performer: fiscal year 1994 180

C-80a Percentage distribution of Federal obligations for research and development to each performer, by State: fiscal year 1994 181

C-80b Percentage distribution of Federal obligations for research and development to each State, by performer: fiscal year 1994 182

C-81 Federal obligations for research and development, by State and agency: fiscal year 1994 183

C-81a Percentage distribution of Federal obligations for research and development of each agency, by State: fiscal year 1994 184

C-81b Percentage distribution of Federal obligations for research and development of each State, by agency: fiscal year 1994 185

C-82 Federal obligations for research and development, by State, agency, and performer: fiscal year 1994 186

C-83 Federal obligations for R&D plant, by State and category of performer supported: fiscal year 1994 200

C-84 Federal obligations for R&D plant, by State and agency: fiscal year 1994 201

FEDERAL INTRAMURAL PERSONNEL COSTS

C-85 Federal obligations for total research and development to intramural performers for personnel costs, by agency: fiscal years 1994, 1995, and 1996 202

Table *Page*

C-86 Federal obligations for total basic research to intramural performers for personnel costs, by agency: fiscal years 1994, 1995, and 1996 206

C-87 Federal obligations for total applied research to intramural performers for personnel costs, by agency: fiscal years 1994, 1995, and 1996 208

C-88 Federal obligations for total development to intramural performers for personnel costs, by agency: fiscal years 1994, 1995, and 1996 212

HISTORICAL DATA—OUTLAYS

C-89 Federal outlays for research and development and for R&D plant, by agency: fiscal years 1975–85 215

C-89a Federal outlays for research and development and for R&D plant, by agency: fiscal years 1986–96 218

C-90 Federal outlays for research and development, by agency: fiscal years 1975–85 221

C-90a Federal outlays for research and development, by agency: fiscal years 1986–96 224

C-91 Federal outlays for R&D plant, by agency: fiscal years 1975–85 227

C-91a Federal outlays for R&D plant, by agency: fiscal years 1986–96 228

HISTORICAL DATA—OBLIGATIONS

C-92 Federal obligations for research and development and for R&D plant, by agency: fiscal years 1975–85 229

C-92a Federal obligations for research and development and for R&D plant, by agency: fiscal years 1986–96 234

C-93 Federal obligations for research and development, by agency: fiscal years 1975–85 239

C-93a Federal obligations for research and development, by agency: fiscal years 1986–96 244

Table *Page*

C-94 Federal obligations for R&D plant, by agency: fiscal years 1975–85 249

C-94a Federal obligations for R&D plant, by agency: fiscal years 1986–96 251

C-95 Federal obligations for research, development, and R&D plant: fiscal years 1970–96 253

C-96 Federal obligations for research, by selected agency: fiscal years 1975–85 254

C-96a Federal obligations for research, by selected agency: fiscal years 1986–96 259

C-97 Federal obligations for basic research, by selected agency: fiscal years 1975–85 264

C-97a Federal obligations for basic research, by selected agency: fiscal years 1986–96 267

C-98 Federal obligations for applied research, by selected agency: fiscal years 1975–85 270

C-98a Federal obligations for applied research, by selected agency: fiscal years 1986–96 275

C-99 Federal obligations for development, by selected agency: fiscal years 1975–85 280

C-99a Federal obligations for development, by selected agency: fiscal years 1986–96 284

C-100 Federal obligations for research and development, by performer: fiscal years 1975–85 288

C-100a Federal obligations for research and development, by performer: fiscal years 1986–96 289

C-101 Federal obligations for research, by performer: fiscal years 1975–85 290

C-101a Federal obligations for research, by performer: fiscal years 1986–96 291

C-102 Federal obligations for basic research, by performer: fiscal years 1975–85 292

C-102a Federal obligations for basic research, by performer: fiscal years 1986–96 293

C-103 Federal obligations for applied research, by performer: fiscal years 1975–85 294

C-103a Federal obligations for applied research, by performer: fiscal years 1986–96 295

Table *Page*

C-104 Federal obligations for development, by performer: fiscal years 1975–85 296

C-104a Federal obligations for development, by performer: fiscal years 1986–96 297

C-105 Federal obligations for total research, by detailed field of science and engineering: fiscal years 1975–85 298

C-105a Federal obligations for total research, by detailed field of science and engineering: fiscal years 1986–96 299

C-106 Federal obligations for basic research, by detailed field of science and engineering: fiscal years 1975–85 300

C-106a Federal obligations for basic research, by detailed field of science and engineering: fiscal years 1986–96 301

C-107 Federal obligations for applied research, by detailed field of science and engineering: fiscal years 1975–85 302

C-107a Federal obligations for applied research, by detailed field of science and engineering: fiscal years 1986–96 303

C-108 Federal obligations for research and development, by State: fiscal years 1975–85 304

C-108a Federal obligations for research and development, by State: fiscal years 1986–94 305

C-109 Federal obligations for R&D plant, by State: fiscal years 1975–85 306

C-109a Federal obligations for R&D plant, by State: fiscal years 1986–94 307

TABLE NOTES

- Because of rounding, detail may not add to totals.

- Dashes or asterisks appearing in lieu of figures indicate that the amounts are less than 50 thousand dollars or less than 0.5 percent.

- The abbreviation "FFRDCs" appearing in statistical tables refers to federally funded research and development centers.

- In tables showing extramural performers, obligations of the U.S. Department of Agriculture to agricultural experiment stations are included within obligations to universities and colleges.

- Defense agencies within the Department of Defense include the Advanced Research Projects Agency, the Ballistic Missile Defense Organization, the Defense Information Systems Agency, the Defense Logistics Agency, the Defense Mapping Agency, the Defense Nuclear Agency, the Joint Staff, the Special Operations Command, the Uniformed Services University of the Health Sciences, and the Washington Headquarters Service.

- To better differentiate between that part of the Federal R&D budget which supports "science and key enabling technologies" (including for military and nondefense applications) and that which primarily concerns "testing and evaluation" (of mostly defense-related systems), NSF now collects from DOD development dollars in two categories, advanced technology development and major systems development.

Table A. Federal obligations for research and development, by character of work, and R&D plant: fiscal years 1956-96

[Dollars in thousands]

Page 1 of 1

Fiscal Years	Total	Total research and development	Research		Development	R&D Plant
			Basic	Applied		
1956	3,266,903	2,988,203	206,441	645,506	2,136,256	278,700
1957	4,389,237	3,932,001	262,348	662,199	3,007,454	457,236
1958	4,906,015	4,569,722	334,543	744,264	3,490,915	336,293
1959	7,122,610	6,693,510	465,981	874,272	5,353,257	429,100
1960	8,080,015	7,551,746	590,374	1,282,135	5,679,237	528,269
1961	9,607,023	9,058,623	814,513	1,663,431	6,580,679	548,400
1962	11,069,059	10,289,947	986,314	2,018,481	7,285,152	779,112
1963	13,662,879	12,494,611	1,151,753	2,356,150	8,986,708	1,168,268
1964	15,323,870	14,225,354	1,303,000	2,571,452	10,350,902	1,098,516
1965	15,745,852	14,614,249	1,435,469	2,811,761	10,367,019	1,131,603
1966	16,178,640	15,320,334	1,579,181	3,081,066	10,660,087	858,306
1967	17,149,186	16,529,099	1,845,847	2,785,543	11,897,709	620,087
1968	16,525,038	15,921,208	1,840,562	2,940,500	11,140,146	603,830
1969	16,309,900	15,640,888	1,944,773	2,700,117	10,995,998	669,012
1970	15,863,385	15,338,937	1,925,908	2,974,890	10,438,139	524,448
1971	16,153,756	15,542,512	1,980,141	3,143,030	10,419,341	611,244
1972	17,097,951	16,495,895	2,186,937	3,360,759	10,948,199	602,056
1973	17,574,486	16,800,153	2,232,006	3,349,423	11,218,724	774,333
1974	18,176,457	17,410,128	2,387,681	3,787,559	11,234,888	766,329
1975	19,859,548	19,038,818	2,588,427	4,141,281	12,309,110	820,730
1976	21,616,382	20,779,658	2,767,454	4,851,878	13,160,326	836,724
1977	24,817,577	23,450,377	3,258,640	5,255,475	14,936,262	1,367,200
1978	27,140,849	25,845,137	3,698,604	5,908,154	16,238,379	1,295,712
1979	29,620,597	28,145,142	4,192,665	6,342,340	17,610,137	1,475,455
1980	31,386,095	29,830,432	4,674,156	6,923,222	18,233,054	1,555,663
1981	34,589,634	33,103,924	5,041,295	7,171,485	20,891,144	1,485,710
1982	37,822,363	36,432,589	5,481,605	7,540,580	23,410,404	1,389,774
1983	40,009,032	38,711,537	6,260,131	7,993,394	24,458,012	1,297,495
1984	44,012,149	42,224,865	7,067,359	7,911,414	27,246,092	1,787,284
1985	50,180,369	48,359,565	7,818,682	8,314,739	32,226,144	1,820,804
1986	52,951,181	51,412,364	8,153,076	8,349,123	34,910,165	1,538,817
1987	57,099,656	55,253,693	8,942,425	8,998,096	37,313,172	1,845,963
1988	58,826,512	56,769,425	9,473,618	9,176,527	38,119,280	2,057,087
1989	63,571,605	61,406,484	10,602,011	10,163,520	40,640,953	2,165,121
1990	65,831,189	63,559,471	11,285,593	10,336,771	41,937,107	2,271,718
1991	64,147,951	61,295,152	12,170,794	11,797,583	37,326,775	2,852,799
1992	68,577,184	65,592,590	12,489,864	12,000,734	41,101,992	2,984,594
1993	70,414,697	67,314,025	13,399,121	13,491,376	40,423,528	3,100,672
1994	69,426,972	67,255,776	13,552,858	13,887,494	39,815,424	2,171,196
1995 (Preliminary)	73,028,734	70,093,900	13,569,087	14,234,781	42,290,032	2,934,834
1996 (Preliminary)	70,906,013	68,842,437	14,037,351	14,233,548	40,571,538	2,063,576

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1994, 1995, and 1996

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Table C-1. Summary of Federal funds for research and development and for R&D plant: fiscal years 1994, 1995, and 1996

[In millions of dollars and percentages]

Page 1 of 2

Item	1994	Estimates			
		1995	Percentage change 1994-95	1996	Percentage change 1995-96
Total outlays for research and development and for R&D plant	$68,335.9	$69,661.1	1.9	$70,012.7	0.5
Research and development	66,158.8	67,399.9	1.9	67,652.9	.4
R&D plant	2,177.1	2,261.2	3.9	2,359.8	4.4
Total obligations for research and development and for R&D plant	69,427.0	73,028.7	5.2	70,906.0	-2.9
Research and development, total	67,255.8	70,093.9	4.2	68,842.4	-1.8
By performers:					
Intramural [1]	16,139.1	16,962.3	5.1	16,287.3	-4.0
Industrial firms	30,454.4	31,771.1	4.3	31,159.8	-1.9
FFRDCs administered by industrial firms	1,293.5	1,192.3	-7.8	1,287.3	8.0
Universities and colleges	11,828.7	12,103.1	2.3	12,177.6	.6
FFRDCs administered by universities and colleges	3,292.9	3,479.7	5.7	3,514.7	1.0
Other nonprofit institutions	2,929.6	3,068.6	4.7	2,916.2	-5.0
FFRDCs administered by nonprofit institutions	735.5	777.8	5.7	792.2	1.9
State and local governments	325.4	446.9	37.3	456.4	2.1
Foreign	256.6	292.0	13.8	250.9	-14.1
Research, total	27,440.4	27,803.9	1.3	28,270.9	1.7
By performers:					
Intramural [1]	7,488.2	7,427.5	-.8	7,417.2	-.1
Industrial firms	4,063.5	4,062.6	*	4,193.9	3.2
FFRDCs administered by industrial firms	737.2	704.4	-4.4	711.1	1.0
Universities and colleges	10,323.5	10,657.0	3.2	10,932.5	2.6
FFRDCs administered by universities and colleges	2,181.1	2,212.6	1.4	2,262.9	2.3
Other nonprofit institutions	2,094.9	2,113.5	.9	2,132.1	.9
FFRDCs administered by nonprofit institutions	178.0	174.5	-2.0	173.5	-.5
State and local governments	230.8	306.4	32.8	311.8	1.7
Foreign	143.3	145.4	1.5	136.0	-6.5
By fields of science:					
Life sciences	11,078.8	11,400.9	2.9	11,662.9	2.3
Psychology	550.2	581.8	5.7	584.5	.5
Physical sciences	6,792.7	5,988.2	-11.8	6,253.0	4.4
Environmental sciences	2,032.0	1,941.1	-4.5	2,054.6	5.8
Mathematics and computer sciences	1,242.3	1,498.7	20.6	1,564.8	4.4
Engineering	4,023.3	4,536.9	12.8	4,290.8	-5.4
Social sciences	655.0	740.8	13.1	740.7	*
Other sciences, n.e.c.	1,066.1	1,115.5	4.6	1,119.6	.4
Basic research, total	13,552.9	13,569.1	.1	14,037.4	3.5
By performers:					
Intramural [1]	2,505.0	2,468.0	-1.5	2,505.8	1.5
Industrial firms	1,109.1	891.5	-19.6	983.1	10.3
FFRDCs administered by industrial firms	237.6	251.2	5.7	255.0	1.5
Universities and colleges	7,024.2	7,224.4	2.9	7,477.4	3.5
FFRDCs administered by universities and colleges	1,336.0	1,359.8	1.8	1,394.0	2.5
Other nonprofit institutions	1,125.7	1,116.3	-.8	1,153.1	3.3
FFRDCs administered by nonprofit institutions	73.9	79.6	7.7	82.5	3.6
State and local governments	75.2	111.8	48.6	120.5	7.8
Foreign	66.1	66.4	.4	65.9	-.7
By fields of science:					
Life sciences	6,429.8	6,610.8	2.8	6,845.5	3.5
Psychology	247.4	259.9	5.1	264.1	1.6
Physical sciences	3,649.2	3,295.5	-9.7	3,447.6	4.6
Environmental sciences	997.2	999.4	.2	1,015.1	1.6
Mathematics and computer sciences	503.6	547.6	8.7	569.1	3.9
Engineering	1,061.7	1,157.6	9.0	1,173.1	1.3
Social sciences	191.7	201.8	5.3	207.1	2.6
Other sciences, n.e.c.	472.4	496.4	5.1	515.8	3.9

See explanatory information, if any, and SOURCE at end of table

Table C-1. Summary of Federal funds for research and development and for R&D plant: fiscal years 1994, 1995, and 1996

[In millions of dollars and percentages]

Page 2 of 2

Item	1994	Estimates			
		1995	Percentage change 1994-95	1996	Percentage change 1995-96
Applied research, total	$13,887.5	$14,234.8	2.5	$14,233.5	*
By performers:					
Intramural [1]	4,983.2	4,959.5	-.5	4,911.3	-1.0
Industrial firms	2,954.4	3,171.0	7.3	3,210.8	1.3
FFRDCs administered by industrial firms	499.6	453.2	-9.3	456.1	.6
Universities and colleges	3,299.3	3,432.6	4.0	3,455.0	.7
FFRDCs administered by universities and colleges	845.1	852.7	.9	868.9	1.9
Other nonprofit institutions	969.2	997.2	2.9	979.0	-1.8
FFRDCs administered by nonprofit institutions	104.0	94.8	-8.8	91.0	-4.0
State and local governments	155.5	194.6	25.1	191.3	-1.7
Foreign	77.2	79.0	2.4	70.1	-11.3
By fields of science:					
Life sciences	4,649.0	4,790.1	3.0	4,817.4	.6
Psychology	302.9	321.9	6.3	320.4	-.5
Physical sciences	3,143.5	2,692.7	-14.3	2,805.4	4.2
Environmental sciences	1,034.8	941.7	-9.0	1,039.6	10.4
Mathematics and computer sciences	738.7	951.1	28.8	995.8	4.7
Engineering	2,961.6	3,379.3	14.1	3,117.7	-7.7
Social sciences	463.3	538.9	16.3	533.6	-1.0
Other sciences, n.e.c.	593.8	619.1	4.3	603.8	-2.5
Development, total	39,815.4	42,290.0	6.2	40,571.5	-4.1
By performers:					
Intramural [1]	8,650.9	9,534.9	10.2	8,870.2	-7.0
Industrial firms	26,390.9	27,708.6	5.0	26,965.9	-2.7
FFRDCs administered by industrial firms	556.3	487.9	-12.3	576.2	18.1
Universities and colleges	1,505.2	1,446.1	-3.9	1,245.1	-13.9
FFRDCs administered by universities and colleges	1,111.8	1,267.1	14.0	1,251.8	-1.2
Other nonprofit institutions	834.8	955.1	14.4	784.1	-17.9
FFRDCs administered by nonprofit institutions	557.6	603.3	8.2	618.7	2.6
State and local governments	94.7	140.5	48.4	144.7	3.0
Foreign	113.3	146.6	29.4	114.9	-21.7
R&D plant, total	2,171.2	2,934.8	35.2	2,063.6	-29.7
By performers supported:					
Intramural	392.6	576.1	46.8	365.4	-36.6
Industrial firms	746.8	1,276.1	70.9	705.7	-44.7
FFRDCs administered by industrial firms	119.4	104.0	-12.9	92.9	-10.7
Universities and colleges	209.0	315.1	50.8	210.9	-33.1
FFRDCs administered by universities and colleges	608.8	558.3	-8.3	578.7	3.7
Other nonprofit institutions	20.9	32.3	55.0	23.4	-27.8
FFRDCs administered by nonprofit institutions	72.9	71.3	-2.2	85.1	19.4
State and local governments	.8	1.6	108.3	1.6	.3
Foreign	.2	0	-100.0	0	.0

[1] Includes costs associated with the administration of intramural and extramural programs by Federal personnel as well as actual intramural performance.

NOTE: Because of rounding, detail may not add to totals.

KEY:
* = Percentage less than .05%
FFRDCs = Federally funded research and development centers
n.e.c. = Not elsewhere classified

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1994, 1995, and 1996

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Table C-2. Federal funds for research and development and for R&D plant, by agency: fiscal years 1994, 1995, and 1996

[Dollars in millions]

Page 1 of 3

Agency and subdivision	Obligations			Outlays		
	1994	Estimates		1994	Estimates	
		1995	1996		1995	1996
Total, all agencies	69,427.0	73,028.7	70,906.0	68,335.9	69,661.1	70,012.7
Departments						
Department of Agriculture, total	1,525.3	1,554.7	1,475.7	1,486.6	1,538.6	1,556.4
Agricultural Cooperative Service	3.7	0	0	3.7	0	0
Agricultural Marketing Service[1]	4.8	4.8	4.8	4.6	4.8	4.8
Agricultural Research Service[2]	757.0	761.3	756.9	735.3	771.5	768.2
Animal & Plant Health Inspection Service	19.2	19.1	20.9	19.2	19.1	20.9
Cooperative State Research, Education, & Extension Service[3]	471.6	501.7	419.4	456.9	476.3	489.7
Economic Research Service	55.2	53.5	54.7	57.3	53.3	54.5
Grain Inspection Packers & Stockyards Admin[4]	1.8	1.8	2.8	1.8	1.8	2.8
Foreign Agricultural Service[5]	.8	1.4	1.4	.8	1.4	1.4
Forest Service	198.0	204.0	209.1	195.7	203.3	208.4
Human Nutrition Information Service[2]	7.0	0	0	5.3	0	0
National Agricultural Statistics Service	3.9	3.6	3.7	3.6	3.6	3.6
Rural Business & Coop Dvlpmt Service	2.4	3.6	2.0	2.4	3.6	2.0
Department of Commerce, total	857.3	1,552.4	1,394.5	810.3	929.6	1,148.1
Bureau of the Census	4.8	5.5	5.7	5.4	5.3	5.6
Economic Development Administration	.6	.5	1.5	.3	.6	1.1
National Institute of Standards & Technology	284.1	995.9	786.4	237.8	374.3	541.8
National Oceanic & Atmospheric Administration	562.9	544.6	594.4	562.9	544.6	594.4
National Telecommunications & Information Admin	4.8	6.0	6.5	3.9	4.8	5.2
Office of the Secretary	.0	.0	.0	-	-	0
Department of Defense, total	34,787.5	35,573.1	33,856.5	35,179.2	35,165.0	33,985.6
Department of the Army	5,576.2	5,592.7	4,552.9	5,797.8	5,247.3	4,937.0
Civil functions (Corps of Engineers)	51.6	56.3	56.9	51.6	56.3	56.9
Military functions	5,524.6	5,536.4	4,496.0	5,746.1	5,191.0	4,880.1
Department of the Navy	9,005.1	9,261.1	8,429.3	8,213.3	8,881.4	8,675.3
Department of the Air Force	12,626.8	12,820.1	13,309.7	12,799.2	12,797.0	12,713.2
Defense agencies, total	7,336.5	7,653.0	7,288.9	8,125.3	7,986.1	7,378.7
Advanced Research Projects Agency	2,754.3	2,541.4	2,588.5	2,918.0	2,597.0	2,652.7
Ballistic Missile Defense Organization	2,622.4	2,465.2	2,457.7	3,229.0	2,726.6	2,504.6
Defense Information Systems Agency	93.7	69.8	69.4	90.3	91.7	78.6
Defense Logistics Agency	37.1	34.3	38.6	29.6	56.7	82.5
Defense Mapping Agency	65.7	64.2	82.6	45.7	68.7	78.4
Defense Nuclear Agency	281.0	208.6	253.3	418.3	303.5	271.0
Joint Staff[6, 7]	10.7	4.2	1.8	10.0	4.0	2.0
Special Operations Command	253.0	265.9	152.4	224.9	212.7	121.9
Uniformed Services University of the Health Sciences	.8	0	0	1.7	1.9	0
Washington Headquarters Services	1,217.7	1,999.5	1,644.8	1,157.9	1,923.2	1,587.1
Operational Test & Evaluation, Director	11.2	19.1	22.7	11.9	20.0	22.1
Test & Evaluation, Deputy Under Secretary Defense	231.8	227.0	253.0	231.8	233.1	259.3
Department of Education	178.4	202.6	190.1	179.2	184.9	176.4
Department of Energy	6,959.8	7,236.1	7,770.2	6,896.5	7,115.8	7,411.7

See explanatory information, if any, and SOURCE at end of table.

Table C-2. Federal funds for research and development and for R&D plant, by agency: fiscal years 1994, 1995, and 1996

[Dollars in millions]

Agency and subdivision	Obligations			Outlays		
	1994	Estimates		1994	Estimates	
		1995	1996		1995	1996
Department of Health & Human Services, total	11,141.7	11,825.5	11,989.1	10,352.5	11,130.2	11,613.1
Administration on Aging[8]	19.1	20.4	19.4	19.1	0	20.4
Administration for Children & Families[8]	11.3	11.8	11.6	11.3	11.8	11.6
Agency for Health Care Policy & Research[9]	154.4	162.6	193.5	111.0	133.8	139.0
Centers for Disease Control & Prevention	206.8	216.9	217.1	206.8	216.9	217.1
Food & Drug Administration	177.8	175.8	184.0	160.5	148.2	144.0
Health Care Financing Administration	80.0	89.0	64.5	72.3	76.1	79.1
Health Resources & Services Administration	17.8	17.8	17.7	17.8	17.8	17.7
National Institutes of Health	10,439.9	11,061.6	11,268.3	9,725.7	10,462.5	10,977.5
Office of the Assistant Secretary for Health	.8	.8	.8	.7	.7	.7
Office of the Secretary	11.7	13.4	12.3	5.0	7.0	6.0
Social Security Administration[10]	22.2	55.4	0	22.2	55.4	0
Department of Housing & Urban Development	39.6	42.5	42.5	28.5	36.8	40.7
Department of the Interior, total	703.1	693.8	687.3	644.9	654.2	670.0
Bureau of Mines	107.9	105.2	86.8	107.9	105.2	86.8
Bureau of Reclamation	7.4	7.5	7.6	7.4	7.5	7.6
Geological Survey	377.4	368.1	373.2	375.5	352.9	363.6
Minerals Management Service	21.8	21.8	23.7	19.5	21.6	23.3
National Biological Service[11]	164.2	166.9	172.7	110.3	142.8	165.4
National Park Service[11]	24.2	24.3	23.3	24.2	24.3	23.3
Office of the Secretary	.1	-	-	.1	-	-
Department of Justice, total	45.0	50.9	53.5	42.0	46.4	49.6
Bureau of Prisons[12]	5.4	5.7	5.7	5.4	5.7	5.7
Drug Enforcement Administration	.9	.9	.8	1.7	1.7	1.2
Federal Bureau of Investigation	7.0	10.5	10.5	7.0	10.5	10.5
Immigration & Naturalization Service	.4	.4	.4	.4	.4	.4
Office of Justice Programs	31.4	33.5	36.0	27.6	28.1	31.8
Department of Labor, total	59.7	67.0	67.2	60.7	68.1	68.5
Bureau of Labor Statistics	7.1	13.1	13.3	7.1	13.1	13.3
Employment & Training Administration	40.0	40.2	39.8	41.8	40.9	41.4
Occupational Safety & Health Administration	3.3	4.4	4.4	3.2	4.2	4.3
Office of the Secretary	5.3	5.9	6.3	5.2	5.7	6.1
Pension Benefit Guaranty Corporation	1.3	.8	.5	.7	1.4	.5
Pension & Welfare Benefits Administration	2.7	2.7	2.8	2.7	2.8	2.9
Department of State[13]	8.2	6.4	5.4	8.2	6.4	5.4
Department of Transportation, total	661.7	800.9	733.9	536.9	643.3	718.0
Coast Guard	22.8	22.1	22.5	26.1	27.2	24.9
Federal Aviation Administration	318.6	319.5	308.6	258.9	315.6	318.2
Federal Highway Administration	242.0	360.3	0	178.5	206.0	215.8
Federal Railroad Administration	20.6	34.9	40.4	19.6	31.8	32.9
Federal Transit Administration[14]	19.9	20.6	0	18.5	21.2	21.2
Infrastructure Investment[15]	0	0	318.4	0	0	61.2
Maritime Administration	1.7	2.7	5.0	1.7	2.5	4.6
National Highway Traffic Safety Administration	25.3	25.9	20.2	26.9	26.3	22.8
Office of the Secretary	5.4	4.0	4.9	2.5	4.0	4.4
Research & Special Programs Administration	5.3	11.0	13.9	4.1	8.5	12.1
Department of the Treasury, total	19.1	51.8	52.9	20.7	53.0	56.0
Bureau of Engraving & Printing	1.7	1.5	2.6	3.4	3.1	5.2
Internal Revenue Service[16]	11.3	40.1	40.1	11.3	40.1	40.1
Office of Thrift Supervision[17]	.5	.6	.7	.5	.6	.7
United States Customs Service	4.6	8.5	9.0	4.6	8.5	9.0
United States Mint	.5	.5	0	.4	.2	.5
United States Secret Service[18]	.5	.6	.6	.5	.6	.6
Department of Veterans Affairs	259.7	266.4	260.2	246.0	258.4	267.5

See explanatory information, if any, and SOURCE at end of table.

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Table C-2. Federal funds for research and development and for R&D plant, by agency: fiscal years 1994, 1995, and 1996

[Dollars in millions]

Page 3 of 3

Agency and subdivision	Obligations			Outlays		
	1994	Estimates		1994	Estimates	
		1995	1996		1995	1996
Other agencies:						
Advisory Commission on Intergovernmental Relations	1.4	1.3	1.5	1.4	1.3	1.5
Agency for International Development	254.3	288.3	222.0	372.6	512.7	358.3
Appalachian Regional Commission	9	9	9	9	9	9
Consumer Product Safety Commission	3	3	3	4	3	.3
Environmental Protection Agency	558.3	588.5	681.6	558.3	588.5	681.6
Federal Communications Commission	1.7	2.1	1.8	1.7	2.1	1.8
Federal Trade Commission	7	9	1.0	7	9	1.0
General Services Administration	3	2	0	5.5	2.2	1.4
Library of Congress	10.0	9.7	9.7	12.5	6.7	10.0
National Aeronautics & Space Administration	8,811.5	9,440.7	8,498.5	8,576.8	8,272.5	8,465.6
National Archives & Records Administration	3	1	1	3	1	.1
National Science Foundation	2,212.2	2,449.6	2,540.0	1,983.6	2,122.8	2,357.2
Nuclear Regulatory Commission	90.7	86.0	81.8	92.4	87.2	82.8
Smithsonian Institution	129.2	130.2	134.2	127.4	126.4	129.4
Social Security Administration[10]	0	0	37.2	0	0	37.2
Tennessee Valley Authority	97.9	94.1	104.4	97.9	94.1	104.4
United States Arms Control & Disarmament Agency[19]	1.3	1.1	1.1	1.3	1.1	1.1
United States Information Agency	6	3	3	5	3	.3
United States International Trade Commission	9.4	10.2	10.8	9.4	10.2	10.8

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[1] Data reported for the Agricultural Marketing Service include funds for the Office of Transportation beginning in 1989.

[2] The Human Nutrition Information Service merged with the Agricultural Research Service on February 20, 1994.

[3] The Cooperative State Research Service merged with the Extension Service on October 19, 1994, due to a reorganization within the Department of Agriculture.

[4] Name changed from Federal Grain Inspection Service on October 20, 1994.

[5] The Office of International Cooperation and Development became part of the Foreign Agricultural Service (FAS) in June of 1994. Data reported for FAS include funds appropriated to International Cooperation and Development programs within FAS as of fiscal year 1994.

[6] The Vol. 44 data for Joint Staff were prorated using Vol. 43 data.

[7] The name of this agency was changed from Joint Chiefs of Staff to Joint Staff in fiscal year 1986.

[8] In fiscal year 1991 Human Development Services was replaced by the Administration for Children and Families and by the Administration on Aging. Beginning in fiscal year 1992, data shown for the Administration for Children and Families are separate from obligations for the Administration on Aging.

[9] In fiscal year 1991 the Agency for Health Care Policy and Research became separate from the Office of the Assistant Secretary for Health.

[10] As of March 31, 1995, the Social Security Administration became an independent agency; it is no longer part of the Department of Health & Human Services.

[11] The National Biological Service's name changed from the National Biological Survey on January 5, 1995. As of fiscal year 1994, the National Biological Service performs all biological research activities formerly funded by the US Fish & Wildlife Service and the National Park Service.

[12] Formerly listed as Federal Prison System.

[13] Increases in outlays and obligations reported by the Department of State during the Vol. 44 survey cycle reflect reporting of monies received through interagency agreements from the Agency for International Development. The Department of State transfers these outlays and obligations to other R&D performers.

[14] Name changed from Urban Mass Transit Administration on December 18, 1991.

[15] Monies estimated for fiscal year 1996 by Infrastructure Investment represent a proposed consolidation of several agencies within the Department of Transportation.

[16] Large changes in obligations reported by the Internal Revenue Service for Vol. 44 are due to the shifts in research funding.

[17] In 1989 the Federal Home Loan Bank Board was replaced by the Office of Thrift Supervision. In 1990 the Office of Thrift Supervision became part of the Department of the Treasury.

[18] Formerly listed as Office of Protective Research.

[19] Fiscal year 1994 figures are estimates based on the Vol. 43 submission.

NOTES: Because of rounding, detail may not add to totals.

Data for only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal Funds Survey, refer to appendix A.

KEY: * Amount less than 50 thousand dollars.

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1994, 1995, and 1996.

Table C-3. Federal funds for total research and development, by agency: fiscal years 1994, 1995, and 1996

[Dollars in millions]

Page 1 of 3

Agency and subdivision	Obligations			Outlays		
	1994	Estimates		1994	Estimates	
		1995	1996		1995	1996
Total, all agencies	67,255.8	70,093.9	68,842.4	66,158.8	67,399.9	67,652.9
Departments:						
Department of Agriculture, total	1,399.6	1,390.3	1,393.1	1,353.7	1,376.5	1,404.2
Agricultural Cooperative Service	3.7	.0	.0	3.7	.0	.0
Agricultural Marketing Service[1]	4.8	4.8	4.8	4.6	4.8	4.8
Agricultural Research Service[2]	678.7	683.9	681.6	660.0	673.1	679.6
Animal & Plant Health Inspection Service	19.2	19.1	18.9	19.2	19.1	18.9
Cooperative State Research, Education, & Extension Service[3]	429.0	419.0	419.4	404.1	416.9	433.5
Economic Research Service	55.2	53.5	54.7	57.3	53.3	54.5
Grain Inspection Packers & Stockyards Admin[4]	1.8	1.8	2.8	1.8	1.8	2.8
Foreign Agricultural Service[5]	.8	1.4	1.4	.8	1.4	1.4
Forest Service	193.1	199.7	203.8	190.8	199.0	203.1
Human Nutrition Information Service[2]	7.0	.0	.0	5.3	.0	.0
National Agricultural Statistics Service	3.9	3.6	3.7	3.6	3.6	3.6
Rural Business & Coop Dvlpmt Service	2.4	3.6	2.0	2.4	3.6	2.0
Department of Commerce, total	826.1	1,352.2	1,325.8	797.4	914.6	1,113.6
Bureau of the Census	4.8	5.5	5.7	5.4	5.3	5.6
Economic Development Administration	.6	.5	1.5	.3	.6	1.1
National Institute of Standards & Technology	253.2	796.0	718.0	225.2	359.7	507.6
National Oceanic & Atmospheric Administration	562.6	544.3	594.1	562.6	544.3	594.1
National Telecommunications & Information Admin	4.8	6.0	6.5	3.9	4.8	5.2
Office of the Secretary	.0	.0	.0	-	-	.0
Department of Defense, total	34,566.1	35,423.5	33,706.0	34,918.2	34,998.1	33,865.9
Department of the Army	5,574.1	5,587.2	4,547.4	5,794.0	5,243.1	4,931.8
Civil functions (Corps of Engineers)	51.6	56.3	56.9	51.6	56.3	56.9
Military functions	5,522.4	5,530.9	4,490.5	5,742.3	5,186.8	4,874.9
Department of the Navy	8,929.0	9,240.2	8,421.9	8,150.5	8,832.5	8,646.5
Department of the Air Force	12,527.4	12,782.3	13,282.5	12,645.5	12,712.2	12,657.0
Defense agencies, total	7,292.5	7,567.6	7,178.4	8,084.7	7,957.2	7,349.2
Advanced Research Projects Agency	2,754.3	2,541.4	2,588.5	2,918.0	2,597.0	2,652.7
Ballistic Missile Defense Organization	2,616.7	2,464.1	2,434.2	3,223.6	2,719.2	2,496.7
Defense Information Systems Agency	93.7	69.8	69.4	90.3	91.7	78.6
Defense Logistics Agency	37.1	34.1	38.4	29.6	56.7	82.5
Defense Mapping Agency	65.7	64.2	82.6	45.7	68.7	78.4
Defense Nuclear Agency	281.0	208.6	253.3	395.8	295.7	265.1
Joint Staff[6, 7]	10.7	4.2	1.8	10.0	4.0	2.0
Special Operations Command	253.0	265.9	152.4	224.9	212.7	121.9
Uniformed Services University of the Health Sciences	.8	.0	.0	1.7	1.9	.0
Washington Headquarters Services	1,179.5	1,915.3	1,558.0	1,145.3	1,909.6	1,571.4
Operational Test & Evaluation, Director	11.2	19.1	22.7	11.9	20.0	22.1
Test & Evaluation, Deputy Under Secretary Defense	231.8	227.0	253.0	231.8	233.1	259.3
Department of Education	176.6	200.7	188.3	177.2	177.7	173.3
Department of Energy	6,048.0	6,418.6	6,842.3	5,974.7	6,224.8	6,449.8

See explanatory information, if any, and SOURCE at end of table.

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Table C-3. Federal funds for total research and development, by agency: fiscal years 1994, 1995, and 1996

[Dollars in millions]

Page 2 of 3

Agency and subdivision	Obligations			Outlays		
	1994	Estimates		1994	Estimates	
		1995	1996		1995	1996
Department of Health & Human Services, total	11,021.5	11,451.3	11,828.2	10,218.2	10,952.5	11,421.9
Administration on Aging[8]	19.1	20.4	19.4	19.1	0	20.4
Administration for Children & Families[8]	11.3	11.8	11.6	11.3	11.8	11.6
Agency for Health Care Policy & Research[9]	154.4	162.6	193.5	111.0	133.8	139.0
Centers for Disease Control & Prevention	206.8	216.9	217.1	206.8	216.9	217.1
Food & Drug Administration	169.4	170.4	171.8	138.6	131.5	132.8
Health Care Financing Administration	80.0	89.0	64.5	72.3	76.1	79.1
Health Resources & Services Administration	16.4	16.2	16.1	16.4	16.2	16.1
National Institutes of Health	10,329.4	10,694.4	11,121.1	9,614.8	10,303.1	10,799.1
Office of the Assistant Secretary for Health	.8	.8	.8	.7	7	.7
Office of the Secretary	11.7	13.4	12.3	5.0	7.0	6.0
Social Security Administration[10]	22.2	55.4	.0	22.2	55.4	.0
Department of Housing & Urban Development	39.6	42.5	42.5	28.5	36.8	40.7
Department of the Interior, total	694.1	687.1	683.2	637.4	647.6	665.7
Bureau of Mines	107.9	105.2	86.8	107.9	105.2	86.8
Bureau of Reclamation	7.4	7.5	7.6	7.4	7.5	7.6
Geological Survey	371.1	362.7	371.8	369.1	347.6	362.2
Minerals Management Service	20.6	20.8	22.7	18.3	20.5	22.3
National Biological Service[11]	162.8	166.6	170.9	110.3	142.5	163.4
National Park Service[11]	24.2	24.3	23.3	24.2	24.3	23.3
Office of the Secretary	.1	-	-	.1	-	-
Department of Justice, total	45.0	50.9	53.5	42.0	46.4	49.6
Bureau of Prisons[12]	5.4	5.7	5.7	5.4	5.7	5.7
Drug Enforcement Administration	.9	.9	.8	1.7	1.7	1.2
Federal Bureau of Investigation	7.0	10.5	10.5	7.0	10.5	10.5
Immigration & Naturalization Service	.4	.4	.4	.4	.4	.4
Office of Justice Programs	31.4	33.5	36.0	27.6	28.1	31.8
Department of Labor, total	59.7	67.0	67.2	60.7	68.1	68.5
Bureau of Labor Statistics	7.1	13.1	13.3	7.1	13.1	13.3
Employment & Training Administration	40.0	40.2	39.8	41.8	40.9	41.4
Occupational Safety & Health Administration	3.3	4.4	4.4	3.2	4.2	4.3
Office of the Secretary	5.3	5.9	6.3	5.2	5.7	6.1
Pension Benefit Guaranty Corporation	1.3	.8	.5	.7	1.4	.5
Pension & Welfare Benefits Administration	2.7	2.7	2.8	2.7	2.8	2.9
Department of State[13]	8.2	6.4	5.4	8.2	6.4	5.4
Department of Transportation, total	620.7	771.3	710.1	519.9	625.1	699.3
Coast Guard	22.3	21.6	22.0	25.5	26.7	24.3
Federal Aviation Administration	285.6	295.5	287.9	247.2	303.4	305.2
Federal Highway Administration	235.7	356.5	.0	174.7	201.2	211.6
Federal Railroad Administration	19.5	33.6	40.0	18.6	31.0	32.3
Federal Transit Administration[14]	19.9	20.6	0	18.5	21.2	21.2
Infrastructure Investment[15]	.0	.0	316.3	.0	.0	60.8
Maritime Administration	1.7	2.7	5.0	1.7	2.5	4.6
National Highway Traffic Safety Administration	25.3	25.9	20.2	26.9	26.3	22.8
Office of the Secretary	5.4	4.0	4.9	2.5	4.0	4.4
Research & Special Programs Administration	5.3	11.0	13.9	4.1	8.5	12.1
Department of the Treasury, total	19.0	51.6	52.8	18.9	51.3	53.2
Bureau of Engraving & Printing	1.7	1.5	2.6	1.7	1.5	2.6
Internal Revenue Service[16]	11.3	40.1	40.1	11.3	40.1	40.1
Office of Thrift Supervision[17]	.5	.6	.7	.5	.6	.7
United States Customs Service	4.5	8.4	8.9	4.5	8.4	8.9
United States Mint	.5	.5	0	.4	.2	.5
United States Secret Service[18]	.5	.6	.6	.5	.6	.6
Department of Veterans Affairs	248.0	260.4	258.0	240.8	251.3	255.6

See explanatory information, if any, and SOURCE at end of table.

Table C-3. Federal funds for total research and development, by agency: fiscal years 1994, 1995, and 1996

[Dollars in millions]

Page 3 of 3

Agency and subdivision	Obligations			Outlays		
	1994	Estimates		1994	Estimates	
		1995	1996		1995	1996
Other agencies						
Advisory Commission on Intergovernmental Relations	1.4	1.3	1.5	1.4	1.3	1.5
Agency for International Development	254.3	288.3	222.0	372.6	512.7	358.3
Appalachian Regional Commission	.9	.9	.9	.9	.9	.9
Consumer Product Safety Commission	.3	.3	.3	.4	.3	.3
Environmental Protection Agency	553.5	583.6	676.4	553.5	583.6	676.4
Federal Communications Commission	1.7	2.1	1.8	1.7	2.1	1.8
Federal Trade Commission	.7	.9	1.0	.7	.9	1.0
Library of Congress	10.0	9.7	9.7	12.5	6.7	10.0
National Aeronautics & Space Administration	8,296.2	8,571.4	8,105.7	8,023.3	7,652.1	7,906.3
National Archives & Records Administration	.3	.1	.1	.3	.1	.1
National Science Foundation	2,040.4	2,145.4	2,303.1	1,873.0	1,950.0	2,070.9
Nuclear Regulatory Commission	90.7	86.0	81.8	92.4	87.2	82.8
Smithsonian Institution	124.2	125.2	129.2	121.2	120.2	123.2
Social Security Administration[10]	0	0	37.2	0	0	37.2
Tennessee Valley Authority	97.9	93.1	103.4	97.9	93.1	103.4
United States Arms Control & Disarmament Agency[19]	1.3	1.1	1.1	1.3	1.1	1.1
United States Information Agency	.6	.3	.3	.6	.3	.3
United States International Trade Commission	9.4	10.2	10.8	9.4	10.2	10.8

[1] Data reported for the Agricultural Marketing Service include funds for the Office of Transportation beginning in 1989.

[2] The Human Nutrition Information Service merged with the Agricultural Research Service on February 20, 1994.

[3] The Cooperative State Research Service merged with the Extension Service on October 19, 1994, due to a reorganization within the Department of Agriculture.

[4] Name changed from Federal Grain Inspection Service on October 20, 1994.

[5] The Office of International Cooperation and Development became part of the Foreign Agricultural Service (FAS) in June of 1994. Data reported for FAS include funds appropriated to International Cooperation and Development programs within FAS as of fiscal year 1994.

[6] The Vol. 44 data for Joint Staff were prorated using Vol. 43 data.

[7] The name of this agency was changed from Joint Chiefs of Staff to Joint Staff in fiscal year 1986.

[8] In fiscal year 1991 Human Development Services was replaced by the Administration for Children and Families and by the Administration on Aging. Beginning in fiscal year 1992, data shown for the Administration for Children and Families are separate from obligations for the Administration on Aging.

[9] In fiscal year 1991 the Agency for Health Care Policy and Research became separate from the Office of the Assistant Secretary for Health.

[10] As of March 31, 1995, the Social Security Administration became an independent agency; it is no longer part of the Department of Health & Human Services.

[11] The National Biological Service's name changed from the National Biological Survey on January 5, 1995. As of fiscal year 1994, the National Biological Service performs all biological research activities formerly funded by the US Fish & Wildlife Service and the National Park Service.

[12] Formerly listed as Federal Prison System.

[13] Increases in outlays and obligations reported by the Department of State during the Vol. 44 survey cycle reflect reporting of monies received through interagency agreements from the Agency for International Development. The Department of State transfers these outlays and obligations to other R&D performers.

[14] Name changed from Urban Mass Transit Administration on December 18, 1991.

[15] Monies estimated for fiscal year 1996 by Infrastructure Investment represent a proposed consolidation of several agencies within the Department of Transportation.

[16] Large changes in obligations reported by the Internal Revenue Service for Vol. 44 are due to the shifts in research funding.

[17] In 1989 the Federal Home Loan Bank Board was replaced by the Office of Thrift Supervision. In 1990 the Office of Thrift Supervision became part of the Department of the Treasury.

[18] Formerly listed as Office of Protective Research.

[19] Fiscal year 1994 figures are estimates based on the Vol. 43 submission.

NOTES: Because of rounding, detail may not add to totals.

Data for only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal Funds Survey, refer to appendix A.

KEY: . = Amount less than 50 thousand dollars

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1994, 1995, and 1996

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Table C-4. Federal obligations for total research and development, by agency and character of work: fiscal year 1994

[Dollars in thousands]

Page 1 of 3

Agency and subdivision	Total	Research		Development		
		Basic	Applied	Total	Advanced technology	Major systems
Total, all agencies	67,255,776	13,552,858	13,887,494	39,815,424	NA	NA
Departments:						
Department of Agriculture, total	1,399,571	606,255	715,933	77,383	NA	NA
Agricultural Cooperative Service	3,734	0	3,734	0	NA	NA
Agricultural Marketing Service[1]	4,843	0	4,231	612	NA	NA
Agricultural Research Service[2]	678,672	366,483	257,895	54,294	NA	NA
Animal & Plant Health Inspection Service	19,177	0	0	19,177	NA	NA
Cooperative State Research, Education, & Extension Service[3]	428,995	194,682	234,313	0	NA	NA
Economic Research Service	55,219	9,939	45,280	0	NA	NA
Grain Inspection Packers & Stockyards Admin[4]	1,791	0	1,791	0	NA	NA
Foreign Agricultural Service[5]	775	581	194	0	NA	NA
Forest Service	193,100	33,300	156,500	3,300	NA	NA
Human Nutrition Information Service[2]	6,992	0	6,992	0	NA	NA
National Agricultural Statistics Service	3,861	1,270	2,591	0	NA	NA
Rural Business & Coop Dvlpmt Service	2,412	0	2,412	0	NA	NA
Department of Commerce, total	826,081	40,119	678,161	107,801	NA	NA
Bureau of the Census	4,833	309	2,533	1,991	NA	NA
Economic Development Administration	605	0	605	0	NA	NA
National Institute of Standards & Technology	253,189	39,810	167,488	45,891	NA	NA
National Oceanic & Atmospheric Administration	562,617	0	502,698	59,919	NA	NA
National Telecommunications & Information Admin	4,837	0	4,837	0	NA	NA
Department of Defense, total	34,566,053	1,222,258	3,039,950	30,303,845	NA	NA
Department of the Army	5,574,070	213,270	639,304	4,721,496	NA	NA
Civil functions (Corps of Engineers)[6]	51,645	5,138	25,849	20,658	NA	NA
Military functions	5,522,425	208,132	613,455	4,700,838	1,186,564	3,514,274
Department of the Navy	8,929,043	400,144	446,983	8,081,916	411,854	7,670,062
Department of the Air Force	12,527,444	242,384	571,917	11,713,143	448,344	11,264,799
Defense agencies, total	7,292,505	366,460	1,381,746	5,544,299	NA	NA
Advanced Research Projects Agency	2,754,337	77,274	851,753	1,825,310	1,781,242	44,068
Ballistic Missile Defense Organization	2,616,684	0	100,607	2,516,077	106,058	2,410,019
Defense Information Systems Agency	93,721	0	1,940	91,781	0	91,781
Defense Logistics Agency	37,131	0	8,897	28,234	28,234	0
Defense Mapping Agency	65,668	0	0	65,668	0	65,668
Defense Nuclear Agency	280,970	0	232,655	48,315	48,315	0
Joint Staff[7] [8]	10,693	0	0	10,693	NA	NA
Special Operations Command	252,989	0	33,347	219,642	88,358	131,284
Uniformed Svcs University of the Health Sciences	848	848	0	0	0	0
Washington Headquarters Services	1,179,464	288,338	152,547	738,579	361,565	377,014
Operational Test & Evaluation, Director	11,234	0	0	11,234	0	11,234
Test & Evaluation, Deputy Under Secretary Defense	231,757	0	0	231,757	0	231,757
Department of Education	176,613	5,519	131,235	39,859	NA	NA
Department of Energy	6,047,985	1,603,223	1,679,243	2,765,519	NA	NA
Department of Health & Human Services, total	11,021,519	5,883,983	3,852,458	1,285,078	NA	NA
Administration on Aging[9]	19,121	0	3,500	15,621	NA	NA
Administration for Children & Families[9]	11,316	0	10,436	880	NA	NA
Agency for Health Care Policy & Research[10]	154,387	811	141,225	12,351	NA	NA
Centers for Disease Control & Prevention	206,800	0	206,800	0	NA	NA
Food & Drug Administration	169,433	0	169,433	0	NA	NA
Health Care Financing Administration	79,959	0	79,959	0	NA	NA
Health Resources & Services Administration	16,405	802	9,779	5,824	NA	NA
National Institutes of Health	10,329,374	5,882,370	3,197,358	1,249,646	NA	NA
Office of the Assistant Secretary for Health	756	0	0	756	NA	NA
Office of the Secretary	11,741	0	11,741	0	NA	NA
Social Security Administration[11]	22,227	0	22,227	0	NA	NA

See explanatory information, if any, and SOURCE at end of table.

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Table C-4. Federal obligations for total research and development, by agency and character of work: fiscal year 1994

[Dollars in thousands]

Page 2 of 3

Agency and subdivision	Total	Research		Development		
		Basic	Applied	Total	Advanced technology	Major systems
Department of Housing & Urban Development	39,601	0	13,713	25,888	NA	NA
Department of the Interior, total	694,095	83,222	566,928	43,945	NA	NA
Bureau of Mines	107,876	25,421	69,953	12,502	NA	NA
Bureau of Reclamation	7,393	0	5,545	1,848	NA	NA
Geological Survey	371,064	43,465	311,905	15,694	NA	NA
Minerals Management Service	20,568	0	20,568	0	NA	NA
National Biological Service[12]	162,832	13,666	135,383	13,783	NA	NA
National Park Service[12]	24,244	670	23,574	0	NA	NA
Office of the Secretary	118	0	0	118	NA	NA
Department of Justice, total	45,005	5,857	19,998	19,150	NA	NA
Bureau of Prisons[13]	5,350	0	2,100	3,250	NA	NA
Drug Enforcement Administration	900	0	72	828	NA	NA
Federal Bureau of Investigation	6,985	0	0	6,985	NA	NA
Immigration & Naturalization Service	400	0	400	0	NA	NA
Office of Justice Programs	31,370	5,857	17,426	8,087	NA	NA
Department of Labor, total	59,697	5,829	13,740	40,128	NA	NA
Bureau of Labor Statistics	7,100	5,600	1,500	0	NA	NA
Employment & Training Administration	39,976	229	2,864	36,883	NA	NA
Occupational Safety & Health Administration	3,310	0	3,310	0	NA	NA
Office of the Secretary	5,317	0	3,090	2,227	NA	NA
Pension Benefit Guaranty Corporation	1,319	0	301	1,018	NA	NA
Pension & Welfare Benefits Administration	2,675	0	2,675	0	NA	NA
Department of State[14]	8,238	7,849	389	0	NA	NA
Department of Transportation, total	620,747	3,007	270,380	347,360	NA	NA
Coast Guard	22,329	0	5,582	16,747	NA	NA
Federal Aviation Administration	285,608	0	79,473	206,135	NA	NA
Federal Highway Administration	235,669	3,007	131,185	101,477	NA	NA
Federal Railroad Administration	19,462	0	16,050	3,412	NA	NA
Federal Transit Administration[15]	19,863	0	7,812	12,051	NA	NA
Maritime Administration	1,744	0	1,744	0	NA	NA
National Highway Traffic Safety Administration	25,315	0	25,315	0	NA	NA
Office of the Secretary	5,435	0	570	4,865	NA	NA
Research & Special Programs Administration	5,322	0	2,649	2,673	NA	NA
Department of the Treasury, total	18,989	21	9,161	9,807	NA	NA
Bureau of Engraving & Printing	1,710	21	1,607	82	NA	NA
Internal Revenue Service[16]	11,315	0	6,134	5,181	NA	NA
Office of Thrift Supervision[17]	481	0	481	0	NA	NA
United States Customs Service	4,475	0	480	3,995	NA	NA
United States Mint	549	0	0	549	NA	NA
United States Secret Service[18]	459	0	459	0	NA	NA
Department of Veterans Affairs	247,979	14,373	209,106	24,500	NA	NA

See explanatory information, if any, and SOURCE at end of table.

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Table C-4. Federal obligations for total research and development, by agency and character of work: fiscal year 1994

[Dollars in thousands]

Page 3 of 3

Agency and subdivision	Total	Research		Development		
		Basic	Applied	Total	Advanced technology	Major systems
Other agencies:						
Advisory Commission on Intergovernmental Relations	1,355	0	1,355	0	NA	NA
Agency for International Development	254,305	1,775	214,438	38,092	NA	NA
Appalachian Regional Commission	900	0	900	0	NA	NA
Consumer Product Safety Commission	315	0	130	185	NA	NA
Environmental Protection Agency	553,498	101,360	300,962	151,176	NA	NA
Federal Communications Commission	1,683	0	1,683	0	NA	NA
Federal Trade Commission	705	0	705	0	NA	NA
Library of Congress	9,975	434	1,466	8,075	NA	NA
National Aeronautics & Space Administration	8,296,247	1,963,909	1,876,650	4,455,688	NA	NA
National Archives & Records Administration	280	150	130	0	NA	NA
National Science Foundation	2,040,358	1,870,669	169,689	0	NA	NA
Nuclear Regulatory Commission	90,705	0	90,705	0	NA	NA
Smithsonian Institution	124,176	124,176	0	0	NA	NA
Tennessee Valley Authority	97,855	8,870	17,040	71,945	NA	NA
United States Arms Control & Disarmament Agency[19]	1,323	0	1,323	0	NA	NA
United States Information Agency	559	0	559	0	NA	NA
United States International Trade Commission	9,364	0	9,364	0	NA	NA

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[1] Data reported for the Agricultural Marketing Service include funds for the Office of Transportation beginning in 1989.

[2] The Human Nutrition Information Service merged with the Agricultural Research Service on February 20, 1994.

[3] The Cooperative State Research Service merged with the Extension Service on October 19, 1994, due to a reorganization within the Department of Agriculture.

[4] Name changed from Federal Grain Inspection Service on October 20, 1994.

[5] The Office of International Cooperation and Development became part of the Foreign Agricultural Service (FAS) in June of 1994. Data reported for FAS include funds appropriated to International Cooperation and Development programs within FAS as of fiscal year 1995.

[6] The Department of the Army, Civil functions (Corps of Engineers) development activities are appropriated by the Energy and Water Development Act and therefore cannot be categorized according to the advanced technology and major systems development breakdown.

[7] The Vol. 44 data for Joint Staff were prorated using Vol. 43 data. The development breakdown could not be prorated using Vol. 43 data.

[8] The name of this agency was changed from Joint Chiefs of Staff to Joint Staff in fiscal year 1986.

[9] In fiscal year 1991 Human Development Services was replaced by the Administration for Children and Families and by the Administration on Aging. Beginning in fiscal year 1992, data shown for the Administration for Children and Families are separate from obligations for the Administration on Aging.

[10] In fiscal year 1991 the Agency for Health Care Policy and Research became separate from the Office of the Assistant Secretary for Health.

[11] As of March 31, 1995, the Social Security Administration became an independent agency; it is no longer part of the Department of Health & Human Services.

[12] The National Biological Service's name changed from the National Biological Survey on January 5, 1995. As of fiscal year 1994, the National Biological Service performs all biological research activities formerly funded by the US Fish & Wildlife Service and the National Park Service.

[13] Formerly listed as Federal Prison System.

[14] Increases in outlays and obligations reported by the Department of State during the Vol. 44 survey cycle reflect reporting of monies received through interagency agreements from the Agency for International Development. The Department of State transfers these outlays and obligations to other R&D performers.

[15] Name changed from Urban Mass Transit Administration on December 18, 1991.

[16] Large changes in obligations reported by the Internal Revenue Service for Vol. 44 are due to the shifts in research funding.

[17] In 1989 the Federal Home Loan Bank Board was replaced by the Office of Thrift Supervision. In 1990 the Office of Thrift Supervision became part of the Department of the Treasury.

[18] Formerly listed as Office of Protective Research.

[19] Fiscal year 1994 figures are estimates based on the Vol. 43 submission.

NOTES: Data for only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal Funds Survey, refer to appendix A.

Beginning with this volume, Department of Defense development obligations are reported in two categories: advanced technology and major systems.

KEY: NA = Not applicable (data are not collected in this category for this agency).

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1994, 1995, and 1996.

Table C-5. Estimated Federal obligations for total research and development, by agency and character of work: fiscal year 1995

[Dollars in thousands]

Page 1 of 3

Agency and subdivision	Total	Research		Development		
		Basic	Applied	Total	Advanced technology	Major systems
Total, all agencies	70.093.900	13.569.087	14.234.781	42.290.032	NA	NA
Departments:						
Department of Agriculture, total	1,390.339	603.121	707.976	79.242	NA	NA
Agricultural Marketing Service[1]	4,755	0	4.141	614	NA	NA
Agricultural Research Service[2]	683.876	369.293	259.873	54.710	NA	NA
Animal & Plant Health Inspection Service	19,118	0	0	19.118	NA	NA
Cooperative State Research, Education, & Extension Service[3]	418,966	191,915	227.051	0	NA	NA
Economic Research Service	53.526	5.353	48.173	0	NA	NA
Grain Inspection Packers & Stockyards Admin[4]	1,791	0	1,791	0	NA	NA
Foreign Agricultural Service[5]	1.422	1,067	355	0	NA	NA
Forest Service	199.700	34.300	160.600	4,800	NA	NA
National Agricultural Statistics Service	3,625	1,193	2.432	0	NA	NA
Rural Business & Coop Dvlpmt Service	3,560	0	3.560	0	NA	NA
Department of Commerce, total	1,352,239	45.444	948.340	358.455	NA	NA
Bureau of the Census	5.455	365	3,028	2.062	NA	NA
Economic Development Administration	500	0	500	0	NA	NA
National Institute of Standards & Technology	796.037	45.079	441.557	309.401	NA	NA
National Oceanic & Atmospheric Administration	544.268	0	497.276	46.992	NA	NA
National Telecommunications & Information Admin	5.979	0	5.979	0	NA	NA
Department of Defense, total	35.423.502	1.281.977	3.169.012	30.972.513	NA	NA
Department of the Army	5.587.220	229.962	664.219	4.693.039	NA	NA
Civil functions (Corps of Engineers)[6]	56.284	5.871	27.899	22.514	NA	NA
Military functions	5.530.936	224.091	636.320	4.670.525	1,086.703	3.583.822
Department of the Navy	9.240.213	415.083	501.926	8.323.204	592.094	7,731,110
Department of the Air Force	12,782,330	228.124	682.803	11,871,403	456.021	11,415,382
Defense agencies, total	7,567,595	408.808	1.320.064	5.838.723	NA	NA
Advanced Research Projects Agency	2.541.351	83.224	769.047	1.689.080	1,658.938	30.142
Ballistic Missile Defense Organization	2.464.128	0	102.019	2.362.109	85.560	2,276.549
Defense Information Systems Agency	69.835	0	1.426	68.409	0	68.409
Defense Logistics Agency	34,129	0	7.002	27.127	27.127	0
Defense Mapping Agency	64.219	0	0	64.219	0	64.219
Defense Nuclear Agency	208.564	0	178.859	29.705	29.705	0
Joint Staff[7] [8]	4.159	0	0	4.159	NA	NA
Special Operations Command	265.861	0	27.503	238.358	98.862	139.496
Washington Headquarters Services	1.915.349	325.584	234.208	1.355.557	459.517	896.040
Operational Test & Evaluation, Director	19.102	0	0	19.102	0	19.102
Test & Evaluation, Deputy Under Secretary Defense	227,042	0	0	227,042	0	227.042
Department of Education	200.703	5.800	143.364	51.539	NA	NA
Department of Energy	6.418.554	1.693.812	1.817.598	2.907.144	NA	NA
Department of Health & Human Services, total	11,451,318	6.085.178	4.029.177	1.336.963	NA	NA
Administration on Aging[9]	20,400	0	2.700	17,700	NA	NA
Administration for Children & Families[9]	11,760	0	10.845	915	NA	NA
Agency for Health Care Policy & Research[10]	162,637	762	148.860	13.015	NA	NA
Centers for Disease Control & Prevention	216,942	0	216.942	0	NA	NA
Food & Drug Administration	170.428	0	170.428	0	NA	NA
Health Care Financing Administration	89.003	0	89.003	0	NA	NA
Health Resources & Services Administration	16,208	680	9.678	5.850	NA	NA
National Institutes of Health	10.694.393	6.083.736	3.311.933	1.298.724	NA	NA
Office of the Assistant Secretary for Health	759	0	0	759	NA	NA
Office of the Secretary	13.435	0	13.435	0	NA	NA
Social Security Administration[11]	55.353	0	55.353	0	NA	NA

See explanatory information, if any, and SOURCE at end of table.

Table C-5. Estimated Federal obligations for total research and development, by agency and character of work: fiscal year 1995

[Dollars in thousands]

Page 2 of 3

Agency and subdivision	Total	Research		Development		
		Basic	Applied	Total	Advanced technology	Major systems
Department of Housing & Urban Development	42,480	0	15,194	27,286	NA	NA
Department of the Interior, total	687,123	79,225	562,584	45,314	NA	NA
Bureau of Mines	105,173	23,265	66,924	14,984	NA	NA
Bureau of Reclamation	7,493	0	5,612	1,881	NA	NA
Geological Survey	362,732	41,598	307,166	13,968	NA	NA
Minerals Management Service	20,812	0	20,812	0	NA	NA
National Biological Service[12]	166,591	13,692	138,462	14,437	NA	NA
National Park Service[12]	24,278	670	23,608	0	NA	NA
Office of the Secretary	44	0	0	44	NA	NA
Department of Justice, total	50,940	5,685	21,782	23,473	NA	NA
Bureau of Prisons[13]	5,700	0	2,300	3,400	NA	NA
Drug Enforcement Administration	900	0	72	828	NA	NA
Federal Bureau of Investigation	10,490	0	0	10,490	NA	NA
Immigration & Naturalization Service	400	0	400	0	NA	NA
Office of Justice Programs	33,450	5,685	19,010	8,755	NA	NA
Department of Labor, total	67,043	11,829	18,704	36,510	NA	NA
Bureau of Labor Statistics	13,100	11,600	1,500	0	NA	NA
Employment & Training Administration	40,172	229	7,059	32,884	NA	NA
Occupational Safety & Health Administration	4,390	0	4,390	0	NA	NA
Office of the Secretary	5,871	0	2,942	2,929	NA	NA
Pension Benefit Guaranty Corporation	799	0	102	697	NA	NA
Pension & Welfare Benefits Administration	2,711	0	2,711	0	NA	NA
Department of State[14]	6,413	6,013	400	0	NA	NA
Department of Transportation, total	771,342	3,528	363,747	404,067	NA	NA
Coast Guard	21,588	0	5,397	16,191	NA	NA
Federal Aviation Administration	295,504	0	87,042	208,462	NA	NA
Federal Highway Administration	356,508	3,528	204,432	148,548	NA	NA
Federal Railroad Administration	33,607	0	21,252	12,355	NA	NA
Federal Transit Administration[15]	20,558	0	11,247	9,311	NA	NA
Maritime Administration	2,658	0	2,658	0	NA	NA
National Highway Traffic Safety Administration	25,927	0	25,927	0	NA	NA
Office of the Secretary	3,984	0	615	3,369	NA	NA
Research & Special Programs Administration	11,008	0	5,177	5,831	NA	NA
Department of the Treasury, total	51,649	26	36,703	14,920	NA	NA
Bureau of Engraving & Printing	1,549	26	1,267	256	NA	NA
Internal Revenue Service[16]	40,067	0	33,696	6,371	NA	NA
Office of Thrift Supervision[17]	558	0	558	0	NA	NA
United States Customs Service	8,375	0	620	7,755	NA	NA
United States Mint	538	0	0	538	NA	NA
United States Secret Service[18]	562	0	562	0	NA	NA
Department of Veterans Affairs	260,419	13,500	220,419	26,500	NA	NA

See explanatory information, if any, and SOURCE at end of table

Table C-5. Estimated Federal obligations for total research and development, by agency and character of work: fiscal year 1995

[Dollars in thousands]

Page 3 of 3

Agency and subdivision	Total	Research		Development		
		Basic	Applied	Total	Advanced technology	Major systems
Other agencies						
Advisory Commission on Intergovernmental Relations	1,327	0	1,327	0	NA	NA
Agency for International Development	288,341	697	230,770	56,874	NA	NA
Appalachian Regional Commission	900	0	900	0	NA	NA
Consumer Product Safety Commission	275	0	0	275	NA	NA
Environmental Protection Agency	583,620	102,154	310,815	170,651	NA	NA
Federal Communications Commission	2,055	0	2,055	0	NA	NA
Federal Trade Commission	934	0	934	0	NA	NA
Library of Congress	9,670	442	1,457	7,771	NA	NA
National Aeronautics & Space Administration	8,571,442	1,536,097	1,331,510	5,703,835	NA	NA
National Archives & Records Administration	120	0	120	0	NA	NA
National Science Foundation	2,145,369	1,960,419	184,950	0	NA	NA
Nuclear Regulatory Commission	86,026	0	86,026	0	NA	NA
Smithsonian Institution	125,150	125,150	0	0	NA	NA
Tennessee Valley Authority	93,070	8,990	17,380	66,700	NA	NA
United States Arms Control & Disarmament Agency[19]	1,050	0	1,050	0	NA	NA
United States Information Agency	317	0	317	0	NA	NA
United States International Trade Commission	10,170	0	10,170	0	NA	NA

[1] Data reported for the Agricultural Marketing Service include funds for the Office of Transportation beginning in 1989.

[2] The Human Nutrition Information Service merged with the Agricultural Research Service on February 20, 1994.

[3] The Cooperative State Research Service merged with the Extension Service on October 19, 1994, due to a reorganization within the Department of Agriculture.

[4] Name changed from Federal Grain Inspection Service on October 20, 1994.

[5] The Office of International Cooperation and Development became part of the Foreign Agricultural Service (FAS) in June of 1994. Data reported for FAS include funds appropriated to International Cooperation and Development programs within FAS as of fiscal year 1995.

[6] The Department of the Army, Civil functions (Corps of Engineers) development activities are appropriated by the Energy and Water Development Act and therefore cannot be categorized according to the advanced technology and major systems development breakdown.

[7] The Vol. 44 data for Joint Staff were prorated using Vol. 43 data. The development breakdown could not be prorated using Vol. 43 data.

[8] The name of this agency was changed from Joint Chiefs of Staff to Joint Staff in fiscal year 1986.

[9] In fiscal year 1991 Human Development Services was replaced by the Administration for Children and Families and by the Administration on Aging. Beginning in fiscal year 1992, data shown for the Administration for Children and Families are separate from obligations for the Administration on Aging.

[10] In fiscal year 1991 the Agency for Health Care Policy and Research became separate from the Office of the Assistant Secretary for Health.

[11] As of March 31, 1995, the Social Security Administration became an independent agency; it is no longer part of the Department of Health & Human Services.

[12] The National Biological Service's name changed from the National Biological Survey on January 5, 1995. As of fiscal year 1994, the National Biological Service performs all biological research activities formerly funded by the US Fish & Wildlife Service and the National Park Service.

[13] Formerly listed as Federal Prison System.

[14] Increases in outlays and obligations reported by the Department of State during the Vol. 44 survey cycle reflect reporting of monies received through interagency agreements from the Agency for International Development. The Department of State transfers these outlays and obligations to other R&D performers.

[15] Name changed from Urban Mass Transit Administration on December 18, 1991.

[16] Large changes in obligations reported by the Internal Revenue Service for Vol. 44 are due to the shifts in research funding.

[17] In 1989 the Federal Home Loan Bank Board was replaced by the Office of Thrift Supervision. In 1990 the Office of Thrift Supervision became part of the Department of the Treasury.

[18] Formerly listed as Office of Protective Research.

[19] Fiscal year 1994 figures are estimates based on the Vol. 43 submission.

NOTES: Data for only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal Funds Survey, refer to appendix A.

Beginning with this volume, Department of Defense development obligations are reported in two categories: advanced technology and major systems.

KEY: NA = Not applicable (data are not collected in this category for this agency).

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1994, 1995, and 1996.

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Table C-6. Estimated Federal obligations for total research and development, by agency and character of work: fiscal year 1996

[Dollars in thousands]

Page 1 of 3

Agency and subdivision	Total	Research		Development		
		Basic	Applied	Total	Advanced technology	Major systems
Total, all agencies	68,842,437	14,037,351	14,233,548	40,571,538	NA	NA
Departments						
Department of Agriculture, total	1,393,130	615,341	698,828	78,961	NA	NA
Agricultural Marketing Service[1]	4,755	0	4,141	614	NA	NA
Agricultural Research Service[2]	681,624	368,077	259,017	54,530	NA	NA
Animal & Plant Health Inspection Service	18,917	0	0	18,917	NA	NA
Cooperative State Research, Education, & Extension Service[3]	419,437	204,315	215,122	0	NA	NA
Economic Research Service	54,665	5,466	49,199	0	NA	NA
Grain Inspection Packers & Stockyards Admin[4]	2,813	0	2,813	0	NA	NA
Foreign Agricultural Service[5]	1,422	1,067	355	0	NA	NA
Forest Service	203,800	35,200	163,700	4,900	NA	NA
National Agricultural Statistics Service	3,697	1,216	2,481	0	NA	NA
Rural Business & Coop Dvlpmt Service	2,000	0	2,000	0	NA	NA
Department of Commerce, total	1,325,829	48,627	968,405	308,797	NA	NA
Bureau of the Census	5,677	367	3,040	2,270	NA	NA
Economic Development Administration	1,500	0	1,500	0	NA	NA
National Institute of Standards & Technology	717,981	48,260	410,926	258,795	NA	NA
National Oceanic & Atmospheric Administration	594,148	0	546,416	47,732	NA	NA
National Telecommunications & Information Admin	6,523	0	6,523	0	NA	NA
Department of Defense, total	33,705,972	1,196,084	2,948,872	29,561,016	NA	NA
Department of the Army	4,547,430	211,260	472,537	3,863,633	NA	NA
Civil functions (Corps of Engineers)[6]	56,900	5,678	28,462	22,760	NA	NA
Military functions	4,490,530	205,582	444,075	3,840,873	578,490	3,262,383
Department of the Navy	8,421,927	402,606	480,263	7,539,058	502,015	7,037,043
Department of the Air Force	13,282,546	239,872	673,655	12,369,019	495,083	11,873,936
Defense agencies, total	7,178,420	342,346	1,322,417	5,513,657	NA	NA
Advanced Research Projects Agency	2,588,452	88,884	801,289	1,698,279	1,661,350	36,929
Ballistic Missile Defense Organization	2,434,176	0	111,456	2,322,720	88,777	2,233,943
Defense Information Systems Agency	69,387	0	1,820	67,567	0	67,567
Defense Logistics Agency	38,359	0	8,389	29,970	29,970	0
Defense Mapping Agency	82,578	0	0	82,578	0	82,578
Defense Nuclear Agency	253,322	0	218,933	34,389	34,389	0
Joint Staff[7] [8]	1,784	0	0	1,784	NA	NA
Special Operations Command	152,371	0	20,926	131,445	55,207	76,238
Washington Headquarters Services	1,557,991	253,462	159,604	1,144,925	279,871	865,054
Operational Test & Evaluation, Director	22,662	0	0	22,662	0	22,662
Test & Evaluation, Deputy Under Secretary Defense	252,987	0	0	252,987	0	252,987
Department of Education	188,283	5,363	142,630	40,290	NA	NA
Department of Energy	6,842,271	1,785,869	1,771,855	3,284,547	NA	NA
Department of Health & Human Services, total	11,828,217	6,309,318	4,110,348	1,408,551	NA	NA
Administration on Aging[9]	19,400	0	3,200	16,200	NA	NA
Administration for Children & Families[9]	11,560	0	10,661	899	NA	NA
Agency for Health Care Policy & Research[10]	193,504	682	177,342	15,480	NA	NA
Centers for Disease Control & Prevention	217,128	0	217,128	0	NA	NA
Food & Drug Administration	171,823	0	171,823	0	NA	NA
Health Care Financing Administration	64,500	0	64,500	0	NA	NA
Health Resources & Services Administration	16,120	680	9,590	5,850	NA	NA
National Institutes of Health	11,121,145	6,307,956	3,443,826	1,369,363	NA	NA
Office of the Assistant Secretary for Health	759	0	0	759	NA	NA
Office of the Secretary	12,278	0	12,278	0	NA	NA

See explanatory information, if any, and SOURCE at end of table.

Table C-6. Estimated Federal obligations for total research and development, by agency and character of work: fiscal year 1996

[Dollars in thousands]

Page 2 of 3

Agency and subdivision	Total	Research		Development		
		Basic	Applied	Total	Advanced technology	Major systems
Department of Housing & Urban Development	42,511	0	15,316	27,195	NA	NA
Department of the Interior, total	683,164	76,012	563,829	43,323	NA	NA
Bureau of Mines	86,832	18,828	55,166	12,838	NA	NA
Bureau of Reclamation	7,550	0	5,662	1,888	NA	NA
Geological Survey	371,812	42,791	315,044	13,977	NA	NA
Minerals Management Service	22,662	0	22,662	0	NA	NA
National Biological Service[11]	170,946	13,773	142,572	14,601	NA	NA
National Park Service[11]	23,343	620	22,723	0	NA	NA
Office of the Secretary	19	0	0	19	NA	NA
Department of Justice, total	53,499	6,040	23,373	24,086	NA	NA
Bureau of Prisons[12]	5,700	0	2,300	3,400	NA	NA
Drug Enforcement Administration	811	0	48	763	NA	NA
Federal Bureau of Investigation	10,548	0	0	10,548	NA	NA
Immigration & Naturalization Service	400	0	400	0	NA	NA
Office of Justice Programs	36,040	6,040	20,625	9,375	NA	NA
Department of Labor, total	67,189	11,729	23,577	31,883	NA	NA
Bureau of Labor Statistics	13,300	11,500	1,800	0	NA	NA
Employment & Training Administration	39,815	229	11,905	27,681	NA	NA
Occupational Safety & Health Administration	4,423	0	4,423	0	NA	NA
Office of the Secretary	6,323	0	2,613	3,710	NA	NA
Pension Benefit Guaranty Corporation	545	0	53	492	NA	NA
Pension & Welfare Benefits Administration	2,783	0	2,783	0	NA	NA
Department of State[13]	5,411	5,000	411	0	NA	NA
Department of Transportation, total	710,100	1,872	311,340	396,888	NA	NA
Coast Guard	21,970	0	5,493	16,477	NA	NA
Federal Aviation Administration	287,857	0	78,048	209,809	NA	NA
Federal Railroad Administration	40,047	0	16,242	23,805	NA	NA
Infrastructure investment[14]	316,310	1,872	180,381	134,057	NA	NA
Maritime Administration	4,977	0	4,977	0	NA	NA
National Highway Traffic Safety Administration	20,151	0	20,151	0	NA	NA
Office of the Secretary	4,889	0	642	4,247	NA	NA
Research & Special Programs Administration	13,899	0	5,406	8,493	NA	NA
Department of the Treasury, total	52,761	45	37,779	14,937	NA	NA
Bureau of Engraving & Printing	2,592	45	2,156	391	NA	NA
Internal Revenue Service[15]	40,067	0	33,696	6,371	NA	NA
Office of Thrift Supervision[16]	654	0	654	0	NA	NA
United States Customs Service	8,875	0	700	8,175	NA	NA
United States Secret Service[17]	573	0	573	0	NA	NA
Department of Veterans Affairs	258,000	13,000	218,500	26,500	NA	NA

See explanatory information, if any, and SOURCE at end of table.

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Table C-6. Estimated Federal obligations for total research and development, by agency and character of work: fiscal year 1996

[Dollars in thousands]

Page 3 of 3

Agency and subdivision	Total	Research		Development		
		Basic	Applied	Total	Advanced technology	Major systems
Other agencies						
Advisory Commission on Intergovernmental Relations	1,482	0	1,482	0	NA	NA
Agency for International Development	222,029	1,312	190,669	30,048	NA	NA
Appalachian Regional Commission	900	0	900	0	NA	NA
Consumer Product Safety Commission	264	0	0	264	NA	NA
Environmental Protection Agency	676,351	119,742	371,601	185,008	NA	NA
Federal Communications Commission	1,804	0	1,804	0	NA	NA
Federal Trade Commission	982	0	982	0	NA	NA
Library of Congress	9,678	445	1,462	7,771	NA	NA
National Aeronautics & Space Administration	8,105,740	1,592,965	1,483,524	5,029,251	NA	NA
National Archives & Records Administration	120	0	120	0	NA	NA
National Science Foundation	2,303,056	2,107,647	195,409	0	NA	NA
Nuclear Regulatory Commission	81,787	0	81,787	0	NA	NA
Smithsonian Institution	129,150	129,150	0	0	NA	NA
Social Security Administration[18]	37,235	0	37,235	0	NA	NA
Tennessee Valley Authority	103,352	11,790	19,340	72,222	NA	NA
United States Arms Control & Disarmament Agency[19]	1,050	0	1,050	0	NA	NA
United States Information Agency	300	0	300	0	NA	NA
United States International Trade Commission	10,820	0	10,820	0	NA	NA

[1] Data reported for the Agricultural Marketing Service include funds for the Office of Transportation beginning in 1989.

[2] The Human Nutrition Information Service merged with the Agricultural Research Service on February 20, 1994.

[3] The Cooperative State Research Service merged with the Extension Service on October 19, 1994, due to a reorganization within the Department of Agriculture.

[4] Name changed from Federal Grain Inspection Service on October 20, 1994.

[5] The Office of International Cooperation and Development became part of the Foreign Agricultural Service (FAS) in June of 1994. Data reported for FAS include funds appropriated to International Cooperation and Development programs within FAS as of fiscal year 1995.

[6] The Department of the Army, Civil functions (Corps of Engineers) development activities are appropriated by the Energy and Water Development Act and therefore cannot be categorized according to the advanced technology and major systems development breakdown.

[7] The Vol. 44 data for Joint Staff were prorated using Vol. 43 data. The development breakdown could not be prorated using Vol. 43 data.

[8] The name of this agency was changed from Joint Chiefs of Staff to Joint Staff in fiscal year 1986.

[9] In fiscal year 1991 Human Development Services was replaced by the Administration for Children and Families and by the Administration on Aging. Beginning in fiscal year 1992, data shown for the Administration for Children and Families are separate from obligations for the Administration on Aging.

[10] In fiscal year 1991 the Agency for Health Care Policy and Research became separate from the Office of the Assistant Secretary for Health.

[11] The National Biological Service's name changed from the National Biological Survey on January 5, 1995. As of fiscal year 1994, the National Biological Service performs all biological research activities formerly funded by the US Fish & Wildlife Service and the National Park Service.

[12] Formerly listed as Federal Prison System.

[13] Increases in outlays and obligations reported by the Department of State during the Vol. 44 survey cycle reflect reporting of monies received through interagency agreements from the Agency for International Development. The Department of State transfers these outlays and obligations to other R&D performers.

[14] Monies estimated for fiscal year 1996 by Infrastructure Investment represent a proposed consolidation of several agencies within the Department of Transportation.

[15] Large changes in obligations reported by the Internal Revenue Service for Vol. 44 are due to the shifts in research funding.

[16] In 1989 the Federal Home Loan Bank Board was replaced by the Office of Thrift Supervision. In 1990 the Office of Thrift Supervision became part of the Department of the Treasury.

[17] Formerly listed as Office of Protective Research.

[18] As of March 31, 1995, the Social Security Administration became an independent agency; it is no longer part of the Department of Health & Human Services.

[19] Fiscal year 1994 figures are estimates based on the Vol. 43 submission.

NOTES: Data for only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal Funds Survey, refer to appendix A.

Beginning with this volume, Department of Defense development obligations are reported in two categories: advanced technology and major systems.

KEY: NA = Not applicable (data are not collected in this category for this agency).

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1994, 1995, and 1996.

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Table C-7. Federal obligations for total research and development, by agency and performer: fiscal year 1994

[Dollars in millions]

Page 1 of 4

Agency and subdivision	Total	Intramural[1]	Extramural							
			United States and territories							Foreign
			Industrial firms	FFRDCs admin by industrial firms	Universities and colleges	FFRDCs admin by univs and colleges	Other nonprofit institutions	FFRDCs admin by nonprofit institutions	State and local govts	
Total, all agencies	67,255.8	16,139.1	30,454.4	1,293.5	11,828.7	3,292.9	2,929.7	735.5	325.4	256.6
Departments										
Department of Agriculture, total	1,399.6	931.2	11.7	0	438.5	0	11.8	0	2.1	4.3
Agricultural Cooperative Service	3.7	3.5	0	0	.3	0	0	0	0	0
Agricultural Marketing Service[2]	4.8	4.6	0	0	.3	0	0	0	0	0
Agricultural Research Service[3]	678.7	644.8	0	0	25.2	0	4.2	0	.4	4.0
Animal & Plant Health Inspection Service	19.2	18.0	0	0	1.2	0	0	0	0	0
Cooperative State Research, Education, & Extension Svc[4]	429.0	23.7	8.6	0	389.1	0	6.5	0	1.1	0
Economic Research Service	55.2	52.7	0	0	2.5	0	0	0	0	0
Grain Inspection Packers & Stockyards Administration[5]	1.8	1.8	0	0	0	0	0	0	0	0
Foreign Agricultural Service[6]	.8	.6	0	0	.2	0	0	0	0	0
Forest Service	193.1	171.6	.2	0	19.5	0	1.1	0	.5	.3
Human Nutrition Information Svc[3]	7.0	3.9	2.8	0	.2	0	0	0	0	0
Nat'l Agricultural Statistics Svc	3.9	3.7	0	0	.1	0	0	0	0	0
Rural Business & Coop Dvlpmt Svc	2.4	2.4	0	0	0	0	0	0	0	0
Department of Commerce, total	826.1	597.1	139.5	.3	80.2	1.2	2.1	0	5.4	.3
Bureau of the Census	4.8	4.8	0	0	0	0	0	0	0	0
Economic Development Admin	.6	-	.1	0	.1	0	.3	0	0	0
National Institute of Standards & Technology	253.2	182.4	59.4	0	9.8	.4	.8	0	0	.3
National Oceanic & Atmospheric Administration	562.6	404.9	80.0	.3	70.3	.8	1.0	0	5.4	.1
National Telecommunications & Information Administration	4.8	4.8	0	0	0	0	0	0	0	0
Department of Defense, research[7]	4,262.2	1,555.9	1,394.6	11.6	1,110.7	73.1	79.7	11.4	0	25.3
Department of Defense, development[7] [8]	30,303.8	6,460.6	22,013.5	104.0	624.8	201.9	358.7	454.1	0	86.3
Department of Defense, advanced technology development[8]	4,460.5	1,291.3	2,351.1	38.1	350.5	94.3	289.0	39.8	0	6.4
Department of Defense, major systems development[8]	25,812.0	5,142.9	19,659.1	65.9	272.6	107.6	69.7	414.4	0	79.8
Department of the Army, research & development (R&D)	5,574.1	2,157.4	2,890.2	29.9	319.4	46.9	93.3	24.5	0	12.3
Department of the Navy R&D	8,929.0	3,062.1	5,236.0	9.0	423.2	23.7	81.2	74.0	0	19.9
Department of the Air Force R&D	12,527.4	991.8	11,006.2	14.4	243.0	12.3	10.4	247.1	0	2.2
Defense agencies R&D, total	7,292.5	1,589.1	4,267.3	62.1	749.9	191.8	253.2	102.0	0	77.1
Advanced Rsch Projects Agcy R&D	2,754.3	398.9	1,652.1	6.3	341.7	81.5	242.0	25.0	0	6.9
Ballistic Missile Defense Organization R&D	2,616.7	539.1	1,818.6	32.7	70.7	61.5	2.8	26.6	0	64.6
Defense Info Systems Agcy R&D	93.7	17.5	58.8	0	1.3	1.9	0	14.2	0	0
Defense Logistics Agency R&D	37.1	18.2	10.1	0	5.7	0	2.9	.2	0	0
Defense Mapping Agency R&D	65.7	3.7	60.2	0	1.0	.3	0	.6	0	0
Defense Nuclear Agency R&D	281.0	64.9	180.6	6.9	5.3	18.2	2.0	1.9	0	1.3
Joint Staff R&D[7] [9]	10.7	9.4	1.3	0	0	0	0	0	0	0
Special Operations Command R&D	253.0	76.0	177.0	0	0	0	0	0	0	0
Uniformed Services University of the Health Sciences R&D	.8	.8	0	0	0	0	0	0	0	0
Washington Headquarters Svcs R&D	1,179.5	460.5	308.7	16.2	324.2	28.3	3.4	33.6	0	4.4
Operational Test & Evaluation R&D, Director	11.2	.6	-	0	0	0	.3	10.3	0	0
Test & Evaluation R&D, Deputy Under Secretary Defense	231.8	215.5	8.3	0	0	.3	0	7.6	0	0

See explanatory information, if any, and SOURCE at end of table.

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Table C-7. Federal obligations for total research and development, by agency and performer: fiscal year 1994

[Dollars in millions]

Agency and subdivision	Total	Intra-mural [1]	Extramural							
			United States and territories							Foreign
			Indus-trial firms	FFRDCs admin by in-dustrial firms	Univer-sities and colleges	FFRDCs admin by univs and colleges	Other non-profit insti-tutions	FFRDCs admin by nonprofit insti-tutions	State and local govts	
Department of Education	176.6	9.0	9.1	0	109.4	0	43.2	0	6.0	0
Department of Energy	6,048.0	561.9	1,528.2	1,011.0	564.9	2,077.2	70.8	221.9	2.3	9.7
Dept of Health & Human Svcs, total	11,021.5	2,206.4	462.0	128.0	6,321.9	26.9	1,650.2	18.1	156.5	51.6
Administration on Aging[10]	19.1	.9	1.2	0	3.1	0	9.6	0	4.4	0
Admin for Children & Families[10]	11.3	.2	0	0	10.0	0	1.1	0	-	0
Agency for Health Care Policy & Research[11]	154.4	39.8	34.7	0	55.2	0	23.9	0	0	.8
Centers for Disease Control & Prevention	206.8	159.1	6.4	0	29.9	0	9.9	.1	1.4	0
Food & Drug Administration	169.4	153.5	0	0	10.1	0	5.8	0	0	0
Health Care Financing Admin	80.0	.9	15.7	0	7.4	0	27.3	0	28.8	0
Health Resources & Svcs Admin	16.4	2.8	0	0	12.3	0	1.3	0	0	0
National Institutes of Health	10,329.4	1,828.7	398.5	128.0	6,191.5	26.9	1,566.3	18.0	120.7	50.8
Office of the Assistant Secretary for Health	.8	.1	0	0	.3	0	.4	0	0	0
Office of the Secretary	11.7	5.7	3.0	0	.9	0	2.2	0	0	0
Social Security Administration[12]	22.2	14.7	2.5	0	1.4	0	2.6	0	1.1	0
Department of Housing & Urban Dvlpmt	39.6	22.0	7.9	0	.9	0	8.9	0	0	0
Department of the Interior, total	694.1	595.2	32.5	1.9	53.9	.2	2.2	0	6.9	1.2
Bureau of Mines	107.9	81.3	15.2	1.4	9.1	0	.3	0	.5	0
Bureau of Reclamation	7.4	6.9	0	0	.2	0	.3	0	0	0
Geological Survey	371.1	335.0	12.0	0	19.0	0	0	0	5.0	0
Minerals Management Service	20.6	6.6	3.8	.5	8.1	.1	.1	0	.2	1.2
National Biological Service[13]	162.8	152.1	.1	0	8.0	0	1.5	0	1.2	0
National Park Service[13]	24.2	13.2	1.4	0	9.5	.1	-	0	0	0
Office of the Secretary	.1	.1	-	0	0	0	0	0	0	0
Department of Justice, total	45.0	10.8	3.0	.1	3.9	0	22.5	0	4.7	0
Bureau of Prisons[14]	5.4	2.2	0	0	0	0	0	0	3.2	0
Drug Enforcement Administration	.9	.2	.7	.1	0	0	0	0	0	0
Federal Bureau of Investigation	7.0	7.0	0	0	0	0	0	0	0	0
Immigration & Naturalization Svc	.4	-	0	0	0	0	.4	0	0	0
Office of Justice Programs	31.4	1.5	2.4	0	3.9	0	22.2	0	1.5	0

See explanatory information, if any, and SOURCE at end of table

Table C-7. Federal obligations for total research and development, by agency and performer: fiscal year 1994

[Dollars in millions]

Page 3 of 4

Agency and subdivision	Total	Intra-mural [1]	Extramural							
			United States and territories							Foreign
			Indus-trial firms	FFRDCs admin by in-dustrial firms	Univer-sities and colleges	FFRDCs admin by univs and colleges	Other non-profit insti-tutions	FFRDCs admin by nonprofit insti-tutions	State and local govts	
Department of Labor, total	59.7	9.3	17.4	0	4.3	0	8.7	0	20.0	.0
Bureau of Labor Statistics	7.1	3.1	.0	0	4.0	.0	0	0	0	.0
Employment & Training Admin	40.0	1.6	10.4	0	.2	0	7.7	0	20.0	0
Occupational Safety & Health Administration	3.3	1.2	2.1	.0	0	0	0	0	0	0
Office of the Secretary	5.3	2.4	1.8	.0	.1	0	1.0	0	-	0
Pension Benefit Guaranty Corporation	1.3	.2	1.1	.0	.0	0	0	0	0	.0
Pension & Welfare Benefit Admin	2.7	.7	1.9	0	0	0	0	0	0	.0
Department of State[15]	8.2	.4	.1	0	0		7.8	0	.0	.0
Department of Transportation, total	620.7	203.6	230.7	3.9	61.0	1.6	19.3	13.3	85.5	1.8
Coast Guard	22.3	15.9	6.0	0	.5	0	0	0	.0	0
Federal Aviation Administration	285.6	130.4	118.3	.0	20.0	1.5	.7	13.3	0	1.3
Federal Highway Administration	235.7	20.3	92.6	3.9	30.9	.1	9.6	.0	77.9	.3
Federal Railroad Administration	19.5	11.7	3.1	.0	.3	.0	4.4	.0	0	0
Federal Transit Administration[16]	19.9	5.1	.8	.0	3.2	0	3.1	.0	7.6	0
Maritime Administration	1.7	.8	.5	0	.1	.0	.3	.0	.0	0
National Highway Traffic Safety Administration	25.3	12.9	5.2	.0	6.0	.0	1.1	.0	0	.1
Office of the Secretary	5.4	4.6	.8	0	0	.0	.0	0	0	0
Research & Special Programs Administration	5.3	1.9	3.4	.0	0	0	.0	.0	.0	.0
Department of the Treasury, total	19.0	14.4	3.3	.0	1.1	.2	.0	0	.0	0
Bureau of Engraving & Printing	1.7	1.5	.0	.0	0	.2	0	.0	0	0
Internal Revenue Service[17]	11.3	10.2	.0	.0	1.1	0	.0	0	0	0
Office of Thrift Supervision[18]	.5	.5	.0	.0	0	.0	.0	.0	0	.0
United States Customs Service	4.5	1.9	2.6	.0	0	.0	0	.0	0	0
United States Mint	.5	-	.5	.0	.0	.0	.0	0	.0	0
United States Secret Service[19]	.5	.3	.2	.0	.0	.0	.0	.0	.0	0
Department of Veterans Affairs	248.0	245.6	0	.0	2.4	0	.0	.0	0	.0
Other agencies:										
Advisory Commission on Intergovernmental Relations	1.4	1.4	0	.0	.0	0	0	.0	0	.0
Agency for International Development	254.3	51.4	10.1	.0	24.6	.0	137.4	0	0	30.7
Appalachian Regional Commission	.9	.1	0	.0	.0	.0	0	.0	.8	.0
Consumer Product Safety Commission	.3	.3	.1	.0	.0	.0	0	.0	.0	0
Environmental Protection Agency	553.5	115.1	199.8	.0	98.2	.0	115.6	0	24.8	0
Federal Communications Commission	1.7	1.7	.0	.0	.0	.0	.0	0	.0	0
Federal Trade Commission	.7	.7	.0	.0	.0	.0	0	0	.0	0
Library of Congress	10.0	10.0	.0	0	.0	.0	.0	.0	0	.0
National Aeronautics & Space Admin	8,296.2	2,271.3	4,304.8	.0	641.5	771.2	255.7	7.0	7.2	37.6
National Archives & Records Admin	.3	.3	.0	.0	.0	.0	.0	0	0	0
National Science Foundation	2,040.4	18.1	78.8	.0	1,680.2	125.6	128.8	.2	3.3	5.3
Nuclear Regulatory Commission	90.7	13.2	6.5	32.8	6.3	13.9	6.1	9.4	0	2.6
Smithsonian Institution	124.2	124.2	.0	.0	.0	0	.0	.0	0	.0
Tennessee Valley Authority	97.9	97.9	.0	.0	.0	.0	0	.0	0	.0

See explanatory information, if any, and SOURCE at end of table.

Table C-7. Federal obligations for total research and development, by agency and performer: fiscal year 1994

[Dollars in millions]

Page 4 of 4

Agency and subdivision	Total	Intramural[1]	Extramural							
			United States and territories							Foreign
			Industrial firms	FFRDCs admin by industrial firms	Universities and colleges	FFRDCs admin by univs and colleges	Other nonprofit institutions	FFRDCs admin by nonprofit institutions	State and local govts	
US Arms Control & Disarmament Agency[20]	1.3	0.6	0.7	0	0	0	-	0	0	0
United States Information Agency	6	6	0	0	0	0	0	0	0	0
US International Trade Commission	9.4	9.4	0	0	0	0	0	0	0	0

[1] Includes costs associated with the administration of intramural and extramural programs by Federal personnel as well as actual intramural performance

[2] Data reported for the Agricultural Marketing Service include funds for the Office of Transportation beginning in 1989.

[3] The Human Nutrition Information Service merged with the Agricultural Research Service on February 20, 1994.

[4] The Cooperative State Research Service merged with the Extension Service on October 19, 1994, due to a reorganization within the Department of Agriculture.

[5] Name changed from Federal Grain Inspection Service on October 20, 1994

[6] The Office of International Cooperation and Development became part of the Foreign Agricultural Service (FAS) in June of 1994. Data reported for FAS include funds appropriated to International Cooperation and Development programs within FAS as of fiscal year 1995.

[7] Beginning with Vol. 40, Department of Defense (DoD) research is reported separately from DoD development. DoD states that more than 90 percent of its development reported for "universities and colleges" is performed at off-campus, university-affiliated laboratories that are not involved in teaching.

[8] Not all Department of Defense (DoD) agencies with development obligations are able to categorize these obligations according to the advanced technology and major systems development breakdown. Therefore, total DoD development does not equal the sum of total DoD advanced technology development and total DoD major systems development.

[9] The Vol. 44 data for Joint Staff were prorated using Vol. 43 data. The development breakdown could not be prorated using Vol. 43 data.

[10] In fiscal year 1991 Human Development Services was replaced by the Administration for Children and Families and by the Administration on Aging. Beginning in fiscal year 1992, data shown for the Administration for Children and Families are separate from obligations for the Administration on Aging.

[11] In fiscal year 1991 the Agency for Health Care Policy and Research became separate from the Office of the Assistant Secretary for Health.

[12] As of March 31, 1995, the Social Security Administration became an independent agency; it is no longer part of the Department of Health & Human Services.

[13] The National Biological Service's name changed from the National Biological Survey on January 5, 1995. As of fiscal year 1994, the National Biological Service performs all biological research activities formerly funded by the US Fish & Wildlife Service and the National Park Service.

[14] Formerly listed as Federal Prison System

[15] Increases in outlays and obligations reported by the Department of State during the Vol. 44 survey cycle reflect reporting of monies received through interagency agreements from the Agency for International Development. The Department of State transfers these outlays and obligations to other R&D performers.

[16] Name changed from Urban Mass Transit Administration on December 18, 1991

[17] Large changes in obligations reported by the Internal Revenue Service for Vol. 44 are due to the shifts in research funding.

[18] In 1989 the Federal Home Loan Bank Board was replaced by the Office of Thrift Supervision. In 1990 the Office of Thrift Supervision became part of the Department of the Treasury.

[19] Formerly listed as Office of Protective Research

[20] Fiscal year 1994 figures are estimates based on the Vol. 43 submission.

NOTES: Because of rounding, detail may not add to totals.

Data for only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal Funds Survey, refer to appendix A.

Beginning with this volume, Department of Defense development obligations are reported in two categories: advanced technology and major systems.

KEY:

- = Amount less than 50 thousand dollars
FFRDCs = Federally funded research and development centers

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1994, 1995, and 1996

Table C-8. Estimated Federal obligations for total research and development, by agency and performer: fiscal year 1995

[Dollars in millions]

Page 1 of 4

Agency and subdivision	Total	Intramural [1]	Extramural							
			United States and territories							Foreign
			Industrial firms	FFRDCs admin by industrial firms	Universities and colleges	FFRDCs admin by univs and colleges	Other nonprofit institutions	FFRDCs admin by nonprofit institutions	State and local govts	
Total, all agencies	70,093.9	16,962.3	31,771.1	1,192.3	12,103.1	3,479.7	3,068.6	777.8	446.9	292.0
Departments:										
Department of Agriculture, total	1,390.3	930.8	10.7	0	432.1	0	11.4	0	2.0	3.4
Agricultural Marketing Service [2]	4.8	4.8	0	0	0	0	0	0	0	0
Agricultural Research Service [3]	683.9	646.7	0	0	29.5	0	4.1	0	.4	3.1
Animal & Plant Health Inspection Service	19.1	17.9	0	0	1.2	0	0	0	0	0
Cooperative State Research, Education, & Extension Svc [4]	419.0	23.1	10.4	0	378.2	0	6.2	0	1.1	0
Economic Research Service	53.5	51.4	0	0	2.1	0	0	0	0	0
Grain Inspection Packers & Stockyards Administration [5]	1.8	1.8	0	0	0	0	0	0	0	0
Foreign Agricultural Service [6]	1.4	1.1	0	0	.4	0	0	0	0	0
Forest Service	199.7	178.1	.2	0	19.5	0	1.1	0	.5	.3
Nat'l Agricultural Statistics Svc	3.6	3.5	0	0	.2	0	0	0	0	0
Rural Business & Coop Dvlpmt Svc	3.6	2.5	0	0	1.1	0	0	0	0	0
Department of Commerce, total	1,352.2	663.1	584.5	0	94.6	.8	3.6	0	5.3	.3
Bureau of the Census	5.5	5.5	0	0	0	0	0	0	0	0
Economic Development Admin	.5	.1	.1	0	.1	0	.2	0	0	0
National Institute of Standards & Technology	796.0	213.0	563.7	0	15.6	.4	3.1	0	0	.3
National Oceanic & Atmospheric Administration	544.3	438.5	20.7	0	78.9	.4	.4	0	5.3	.1
National Telecommunications & Information Administration	6.0	6.0	0	0	0	0	0	0	0	0
Department of Defense, research [7]	4,451.0	1,723.1	1,420.7	9.5	1,122.8	62.5	77.4	12.9	0	22.0
Department of Defense, development [7] [8]	30,972.5	7,001.7	22,131.3	80.5	554.1	182.7	468.4	448.1	.1	105.6
Department of Defense, advanced technology development [8]	4,494.5	1,283.7	2,258.7	27.9	310.9	80.0	453.0	50.9	.1	29.2
Department of Defense, major systems development [8]	26,451.3	5,697.8	19,868.0	52.6	241.4	102.7	15.4	397.2	0	76.4
Department of the Army, research & development (R&D)	5,587.2	2,190.2	2,919.1	25.2	237.6	26.5	149.4	24.9	0	14.3
Department of the Navy R&D	9,240.2	3,234.6	5,306.9	7.3	459.1	23.6	115.4	75.8	0	17.5
Department of the Air Force R&D	12,782.3	1,177.8	11,106.4	15.4	226.9	20.1	6.6	226.5	0	2.6
Defense agencies R&D, total	7,567.6	1,906.7	4,207.8	42.1	753.2	174.7	274.1	115.8	.1	93.2
Advanced Rsch Projects Agcy R&D	2,541.4	482.7	1,373.6	4.6	298.8	72.1	265.8	38.2	.1	5.4
Ballistic Missile Defense Organization R&D	2,464.1	495.7	1,758.7	19.5	59.4	61.9	.8	24.5	.0	43.5
Defense Info Systems Agcy R&D	69.8	17.2	39.1	.0	1.0	.3	.0	12.2	.0	.0
Defense Logistics Agency R&D	34.1	16.5	10.9	.2	6.5	.0	.0	.0	.0	.0
Defense Mapping Agency R&D	64.2	3.6	58.3	.0	1.0	.5	.0	.7	.0	.1
Defense Nuclear Agency R&D	208.6	53.1	140.3	1.2	1.3	9.9	1.8	.3	.0	.7
Joint Staff R&D [7] [9]	4.2	1.7	2.4	.0	.0	.0	.0	.0	.0	.0
Special Operations Command R&D	265.9	69.8	154.4	4.0	.0	.0	.0	.0	.0	37.7
Washington Headquarters Svcs R&D	1,915.3	766.3	669.9	12.5	385.1	30.0	5.7	39.8	.0	5.8
Operational Test & Evaluation R&D, Director	19.1	5.1	.0	.0	.0	.4	.3	13.3	.0	.0
Test & Evaluation R&D, Deputy Under Secretary Defense	227.0	210.5	11.9	.0	.0	.0	.0	4.7	.0	.0

See explanatory information, if any, and SOURCE at end of table.

Table C-8. Estimated Federal obligations for total research and development, by agency and performer: fiscal year 1995

[Dollars in millions]

Page 2 of 4

Agency and subdivision	Total	Intramural[1]	Extramural							
			United States and territories							Foreign
			Industrial firms	FFRDCs admin by industrial firms	Universities and colleges	FFRDCs admin by univs and colleges	Other nonprofit institutions	FFRDCs admin by nonprofit institutions	State and local govts	
Department of Education	200.7	8.4	13.4	.0	112.4	.0	59.7	.0	6.7	.0
Department of Energy	6,418.6	622.4	1,821.3	936.9	617.4	2,071.0	75.4	267.3	2.2	4.7
Dept of Health & Human Svcs, total	11,451.3	2,274.4	555.5	132.5	6,486.2	27.9	1,752.0	18.7	150.7	53.5
Administration on Aging[10]	20.4	.9	.0	.0	4.1	.0	8.8	.0	6.7	.0
Admin for Children & Families[10]	11.8	.2	.0	.0	10.3	.0	1.2	.0	.0	.0
Agency for Health Care Policy & Research[11]	162.6	39.5	37.3	.0	59.3	.0	25.7	.0	.0	.8
Centers for Disease Control & Prevention	216.9	166.9	6.7	.0	31.4	.0	10.4	.1	1.5	.0
Food & Drug Administration	170.4	151.4	.0	.0	12.0	.0	7.0	.0	.0	.0
Health Care Financing Admin	89.0	.5	26.7	.0	10.3	.0	33.7	.0	17.4	.3
Health Resources & Svcs Admin	16.2	2.8	.0	.0	12.1	.0	1.3	.0	.0	.0
National Institutes of Health	10,694.4	1,892.5	481.5	132.5	6,342.3	27.9	1,621.6	18.6	124.9	52.5
Office of the Assistant Secretary for Health	.8	.1	.0	.0	.3	.0	.4	.0	.0	.0
Office of the Secretary	13.4	4.0	2.0	.0	3.2	.0	4.0	.0	.2	.0
Social Security Administration[12]	55.4	15.5	1.2	.0	.7	.0	38.0	.0	.0	.0
Department of Housing & Urban Dvlpmt	42.5	24.5	9.0	.0	.9	.0	8.1	.0	.0	.0
Department of the Interior, total	687.1	593.8	30.1	.1	57.3	4.8	.2	.0	-	.9
Bureau of Mines	105.2	85.1	13.3	.1	6.7	.0	.0	.0	.0	.0
Bureau of Reclamation	7.5	7.3	.0	.0	.1	.0	.2	.0	.0	.0
Geological Survey	362.7	329.9	11.0	.0	17.3	4.5	.0	.0	.0	.0
Minerals Management Service	20.8	6.7	4.2	-	8.7	.1	.0	.0	-	.9
National Biological Service[13]	166.6	152.7	.0	.0	13.9	.0	.0	.0	.0	.0
National Park Service[13]	24.3	12.1	1.6	.0	10.5	.1	.0	.0	.0	.0
Office of the Secretary	-	-	.0	.0	.0	.0	.0	.0	.0	.0
Department of Justice, total	50.9	16.7	3.2	.1	5.1	.0	21.1	.0	4.7	.0
Bureau of Prisons[14]	5.7	2.4	.0	.0	.0	.0	.0	.0	3.3	.0
Drug Enforcement Administration	.9	.2	.7	.1	.0	.0	.0	.0	.0	.0
Federal Bureau of Investigation	10.5	10.5	.0	.0	.0	.0	.0	.0	.0	.0
Immigration & Naturalization Svc	.4	-	.0	.0	.0	.0	.4	.0	.0	.0
Office of Justice Programs	33.5	3.6	2.6	.0	5.1	.0	20.8	.0	1.4	.0

See explanatory information, if any, and SOURCE at end of table.

Table C-8. Estimated Federal obligations for total research and development, by agency and performer: fiscal year 1995

[Dollars in millions]

Page 3 of 4

Agency and subdivision	Total	Intramural [1]	Extramural							
			United States and territories							Foreign
			Industrial firms	FFRDCs admin by industrial firms	Universities and colleges	FFRDCs admin by univs and colleges	Other nonprofit institutions	FFRDCs admin by nonprofit institutions	State and local govts	
Department of Labor, total	67.0	9.9	15.4	.0	10.1	0	7.7	.0	24.0	0
Bureau of Labor Statistics	13.1	3.8	0	.0	9.3	0	.0	.0	.0	0
Employment & Training Admin	40.2	1.7	8.3	0	.7	.0	5.5	.0	23.9	0
Occupational Safety & Health Administration	4.4	1.3	3.1	.0	0	0	.0	.0	0	0
Office of the Secretary	5.9	2.1	1.5	.0	.1	0	2.2	.0	-	0
Pension Benefit Guaranty Corporation	.8	.2	.6	.0	.0	0	.0	0	.0	.0
Pension & Welfare Benefit Admin	2.7	.8	2.0	.0	.0	0	.0	0	.0	0
Department of State[15]	6.4	.4	.1	.0	.0	-	6.0	0	0	.0
Department of Transportation, total	771.3	202.1	363.8	0.8	67.5	0.8	22.2	14.2	98.3	1.6
Coast Guard	21.6	15.3	5.8	.0	.5	0	.0	0	.0	.0
Federal Aviation Administration	295.5	138.3	120.4	.0	20.4	.8	.0	14.2	.0	1.4
Federal Highway Administration	356.5	13.0	210.5	.8	36.8	.0	12.8	0	82.5	.0
Federal Railroad Administration	33.6	9.2	11.5	.0	.2	0	5.7	.0	7.0	.1
Federal Transit Administration[16]	20.6	5.0	.4	.0	3.4	.0	3.0	0	8.8	0
Maritime Administration	2.7	1.0	1.2	.0	.2	0	.2	0	.0	-
National Highway Traffic Safety Administration	25.9	13.5	5.9	.0	6.0	.0	.5	.0	0	0
Office of the Secretary	4.0	3.1	.9	.0	.0	.0	0	.0	.0	.0
Research & Special Programs Administration	11.0	3.8	7.2	.0	.0	.0	.0	.0	.0	0
Department of the Treasury, total	51.6	42.2	7.6	.0	1.7	.2	.0	.0	0	.0
Bureau of Engraving & Printing	1.5	1.4	.0	.0	.0	.2	0	.0	.0	0
Internal Revenue Service[17]	40.1	38.3	.0	.0	1.7	0	0	.0	.0	.0
Office of Thrift Supervision[18]	.6	.6	0	.0	.0	.0	.0	.0	.0	0
United States Customs Service	8.4	1.6	6.8	.0	.0	0	0	.0	.0	.0
United States Mint	.5	-	.5	.0	.0	0	0	.0	0	.0
United States Secret Service[19]	.6	.2	.3	.0	.0	0	0	.0	.0	.0
Department of Veterans Affairs	260.4	257.7	.0	.0	2.8	0	.0	.0	0	.0
Other agencies:										
Advisory Commission on Intergovernmental Relations	1.3	1.3	.0	.0	.0	0	.0	.0	.0	.0
Agency for International Development	288.3	41.4	10.4	.0	20.8	.0	161.5	.0	.0	54.2
Appalachian Regional Commission	.9	.1	.3	.0	.5	0	0	.0	.0	0
Consumer Product Safety Commission	.3	.3	-	.0	.0	.0	.0	.0	.0	.0
Environmental Protection Agency	583.6	130.1	213.6	.0	97.4	0	.0	.0	142.5	0
Federal Communications Commission	2.1	2.1	.0	.0	.0	.0	.0	.0	.0	.0
Federal Trade Commission	.9	.9	.0	.0	.0	.0	.0	.0	.0	0
Library of Congress	9.7	9.7	.0	.0	.0	.0	.0	.0	0	.0
National Aeronautics & Space Admin	8,571.4	2,142.9	4,476.1	.0	652.0	984.1	264.5	7.0	7.2	37.6
National Archives & Records Admin	.1	.1	.0	.0	.0	.0	0	.0	.0	.0
National Science Foundation	2,145.4	20.7	97.5	.0	1,762.7	131.9	123.5	.2	3.2	5.7
Nuclear Regulatory Commission	86.0	12.9	6.1	31.8	4.7	13.0	5.9	9.3	0	2.5
Smithsonian Institution	125.2	125.2	.0	.0	0	0	.0	0	.0	.0
Tennessee Valley Authority	93.1	93.1	.0	.0	.0	0	.0	.0	.0	.0

See explanatory information, if any, and SOURCE at end of table.

Table C-8. Estimated Federal obligations for total research and development, by agency and performer: fiscal year 1995

[Dollars in millions]

Page 4 of 4

Agency and subdivision	Total	Intra-mural[1]	Extramural							
			United States and territories							Foreign
			Indus-trial firms	FFRDCs admin by in-dustrial firms	Univer-sities and colleges	FFRDCs admin by univs and colleges	Other non-profit insti-tutions	FFRDCs admin by nonprofit insti-tutions	State and local govts	
US Arms Control & Disarmament Agency[20]	1.1	0.3	0.8	.0	.0	.0	.0	.0	.0	.0
United States Information Agency	.3	.3	.0	.0	.0	.0	.0	.0	.0	.0
US International Trade Commission	10.2	10.2	.0	.0	.0	.0	.0	.0	.0	.0

[1] Includes costs associated with the administration of intramural and extramural programs by Federal personnel as well as actual intramural performance

[2] Data reported for the Agricultural Marketing Service include funds for the Office of Transportation beginning in 1989.

[3] The Human Nutrition Information Service merged with the Agricultural Research Service on February 20, 1994.

[4] The Cooperative State Research Service merged with the Extension Service on October 19, 1994, due to a reorganization within the Department of Agriculture.

[5] Name changed from Federal Grain Inspection Service on October 20, 1994

[6] The Office of International Cooperation and Development became part of the Foreign Agricultural Service (FAS) in June of 1994. Data reported for FAS include funds appropriated to International Cooperation and Development programs within FAS as of fiscal year 1995.

[7] Beginning with Vol. 40, Department of Defense (DoD) research is reported separately from DoD development. DoD states that more than 90 percent of its development reported for "universities and colleges" is performed at off-campus, university-affiliated laboratories that are not involved in teaching.

[8] Not all Department of Defense (DoD) agencies with development obligations are able to categorize these obligations according to the advanced technology and major systems development breakdown. Therefore, total DoD development does not equal the sum of total DoD advanced technology development and total DoD major systems development.

[9] The Vol. 44 data for Joint Staff were prorated using Vol. 43 data. The development breakdown could not be prorated using Vol. 43 data.

[10] In fiscal year 1991 Human Development Services was replaced by the Administration for Children and Families and by the Administration on Aging. Beginning in fiscal year 1992, data shown for the Administration for Children and Families are separate from obligations for the Administration on Aging.

[11] In fiscal year 1991 the Agency for Health Care Policy and Research became separate from the Office of the Assistant Secretary for Health.

[12] As of March 31, 1995, the Social Security Administration became an independent agency; it is no longer part of the Department of Health & Human Services.

[13] The National Biological Service's name changed from the National Biological Survey on January 5, 1995. As of fiscal year 1994, the National Biological Service performs all biological research activities formerly funded by the US Fish & Wildlife Service and the National Park Service.

[14] Formerly listed as Federal Prison System

[15] Increases in outlays and obligations reported by the Department of State during the Vol. 44 survey cycle reflect reporting of monies received through interagency agreements from the Agency for International Development. The Department of State transfers these outlays and obligations to other R&D performers.

[16] Name changed from Urban Mass Transit Administration on December 18, 1991

[17] Large changes in obligations reported by the Internal Revenue Service for Vol. 44 are due to the shifts in research funding.

[18] In 1989 the Federal Home Loan Bank Board was replaced by the Office of Thrift Supervision. In 1990 the Office of Thrift Supervision became part of the Department of the Treasury.

[19] Formerly listed as Office of Protective Research

[20] Fiscal year 1994 figures are estimates based on the Vol. 43 submission.

NOTES: Because of rounding, detail may not add to totals.

Data for only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal Funds Survey, refer to appendix A.

Beginning with this volume, Department of Defense development obligations are reported in two categories: advanced technology and major systems.

KEY:
– = Amount less than 50 thousand dollars
FFRDCs = Federally funded research and development centers

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1994, 1995, and 1996

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Table C-9. Estimated Federal obligations for total research and development, by agency and performer: fiscal year 1996

[Dollars in millions]

Page 1 of 4

Agency and subdivision	Total	Intra-mural[1]	Extramural							
			United States and territories							Foreign
			Indus-trial firms	FFRDCs admin by in-dustrial firms	Univer-sities and colleges	FFRDCs admin by univs and colleges	Other non-profit insti-tutions	FFRDCs admin by nonprofit insti-tutions	State and local govts	
Total, all agencies	68,842.4	16,287.3	31,159.8	1,287.3	12,177.6	3,514.7	2,916.2	792.2	456.4	250.9
Departments:										
Department of Agriculture, total	1,393.1	937.9	10.7	0	434.2	0	5.0	0	2.0	3.4
Agricultural Marketing Service[2]	4.8	4.8	0	0	0	0	0	0	0	0
Agricultural Research Service[3]	681.6	647.7	0	0	28.8	0	1.6	0	.4	3.1
Animal & Plant Health Inspection Service	18.9	17.7	0	0	1.2	0	0	0	0	0
Cooperative State Research, Education, & Extension Svc[4]	419.4	23.6	10.4	0	382.0	0	2.4	0	1.0	0
Economic Research Service	54.7	52.5	0	0	2.2	0	0	0	0	0
Grain Inspection Packers & Stockyards Administration[5]	2.8	2.8	0	0	0	0	0	0	0	0
Foreign Agricultural Service[6]	1.4	1.1	0	0	.4	0	0	0	0	0
Forest Service	203.8	182.2	.2	0	19.5	0	1.1	0	.5	.3
Nat'l Agricultural Statistics Svc	3.7	3.5	0	0	.2	0	0	0	0	0
Rural Business & Coop Dvlpmt Svc	2.0	2.0	0	0	0	0	0	0	0	0
Department of Commerce, total	1,325.8	741.8	479.3	0	92.7	.9	7.2	.4	3.1	.3
Bureau of the Census	5.7	5.7	0	0	0	0	0	0	0	0
Economic Development Admin	1.5	.4	.3	0	.4	0	.5	0	0	0
National Institute of Standards & Technology	718.0	234.4	453.1	0	23.1	.4	6.2	.4	.1	.3
National Oceanic & Atmospheric Administration	594.1	494.8	25.9	0	69.2	.5	.6	.1	3.0	.1
National Telecommunications & Information Administration	6.5	6.5	0	0	0	0	0	0	0	0
Department of Defense, research[7]	4,145.0	1,474.8	1,415.4	6.4	1,067.7	80.8	69.2	11.2	0	19.4
Department of Defense, development[7] [8]	29,561.0	6,373.4	21,756.2	85.6	342.4	163.2	308.8	434.8	.2	96.4
Department of Defense, advanced technology development[8]	3,725.2	1,052.3	2,070.2	14.7	155.1	72.5	297.6	49.2	0	13.6
Department of Defense, major systems development[8]	25,811.3	5,300.8	19,683.5	70.9	185.4	90.7	11.3	385.6	.2	82.9
Department of the Army, research & development (R&D)	4,547.4	1,976.7	2,382.5	6.8	116.6	19.9	23.0	15.0	0	6.9
Department of the Navy R&D	8,421.9	2,874.9	4,950.4	12.4	396.9	24.2	74.3	72.9	0	15.9
Department of the Air Force R&D	13,282.5	1,120.5	11,653.8	25.1	232.7	10.7	7.2	229.5	0	3.2
Defense agencies R&D, total	7,178.4	1,631.1	4,172.8	47.7	663.9	188.9	273.5	110.5	.2	89.8
Advanced Rsch Projects Agcy R&D	2,588.5	487.4	1,400.4	4.8	309.5	73.9	268.3	38.6	0	5.5
Ballistic Missile Defense Organization R&D	2,434.2	477.2	1,735.2	11.3	69.5	57.7	.7	24.5	0	58.2
Defense Info Systems Agcy R&D	69.4	21.3	36.0	0	1.0	.5	0	10.5	0	0
Defense Logistics Agency R&D	38.4	14.1	18.6	.2	5.5	0	0	0	0	0
Defense Mapping Agency R&D	82.6	4.7	76.1	0	1.0	.5	0	.4	0	0
Defense Nuclear Agency R&D	253.3	50.1	187.1	.2	1.0	13.0	.9	.3	0	.8
Joint Staff R&D[7] [9]	1.8	1.6	.2	0	0	0	0	0	0	0
Special Operations Command R&D	152.4	41.8	87.6	2.2	0	0	0	0	0	20.8
Washington Headquarters Svcs R&D	1,558.0	533.0	631.7	29.1	276.3	43.3	3.6	36.3	.2	4.6
Operational Test & Evaluation R&D, Director	22.7	9.0	0	0	0	.4	0	13.3	0	0
Test & Evaluation R&D, Deputy Under Secretary Defense	253.0	236.1	12.1	0	0	0	0	4.8	0	0

See explanatory information, if any, and SOURCE at end of table.

Table C-9. Estimated Federal obligations for total research and development, by agency and performer: fiscal year 1996

[Dollars in millions]

Page 2 of 4

Agency and subdivision	Total	Intramural[1]	Extramural							
			United States and territories							Foreign
			Industrial firms	FFRDCs admin by industrial firms	Universities and colleges	FFRDCs admin by univs and colleges	Other nonprofit institutions	FFRDCs admin by nonprofit institutions	State and local govts	
Department of Education	188.3	8.9	13.7	0	117.6	0	41.3	0	6.7	0
Department of Energy	6,842.3	706.7	2,042.0	1,016.9	581.2	2,116.4	76.4	296.4	1.7	4.6
Dept of Health & Human Svcs, total	11,828.2	2,345.4	570.2	138.0	6,739.0	29.1	1,783.0	19.4	148.5	55.6
Administration on Aging[10]	19.4	.9	0	0	4.0	0	9.9	0	4.7	0
Admin for Children & Families[10]	11.6	.2	0	0	10.2	0	1.2	0	0	0
Agency for Health Care Policy & Research[11]	193.5	44.4	31.2	0	72.0	0	45.3	0	0	.7
Centers for Disease Control & Prevention	217.1	167.1	6.7	0	31.4	0	10.4	.1	1.5	0
Food & Drug Administration	171.8	152.8	0	0	12.0	0	7.0	0	0	0
Health Care Financing Admin	64.5	.6	27.3	0	8.2	0	16.3	0	11.8	.3
Health Resources & Svcs Admin	16.1	2.9	0	0	12.0	0	1.3	0	0	0
National Institutes of Health	11,121.1	1,972.4	502.6	138.0	6,586.0	29.1	1,689.1	19.4	130.0	54.6
Office of the Assistant Secretary for Health	.8	.1	0	0	.3	0	.4	0	0	0
Office of the Secretary	12.3	4.0	2.5	0	3.0	0	2.3	0	.5	0
Department of Housing & Urban Dvlpmt	42.5	21.5	9.0	0	.8	0	11.2	0	0	0
Department of the Interior, total	683.2	595.9	27.1	.1	51.0	8.2	-	0	.1	.8
Bureau of Mines	86.8	74.8	12.0	0	0	0	0	0	0	0
Bureau of Reclamation	7.6	7.5	0	0	.1	0	0	0	0	0
Geological Survey	371.8	339.8	11.0	0	13.0	8.0	0	0	0	0
Minerals Management Service	22.7	7.3	2.6	.1	11.6	.1	0	0	.1	.8
National Biological Service[12]	170.9	155.1	0	0	15.8	0	0	0	0	0
National Park Service[12]	23.3	11.3	1.4	0	10.5	.1	-	0	0	0
Office of the Secretary	-	-	0	0	0	0	0	0	0	0
Department of Justice, total	53.5	14.3	4.9	.1	4.6	0	25.2	0	4.4	0
Bureau of Prisons[13]	5.7	2.4	0	0	0	0	0	0	3.3	0
Drug Enforcement Administration	.8	.1	.6	.1	0	0	0	0	0	0
Federal Bureau of Investigation	10.5	10.5	0	0	0	0	0	0	0	0
Immigration & Naturalization Svc	.4	-	0	0	0	0	.4	0	0	0
Office of Justice Programs	36.0	1.2	4.3	0	4.6	0	24.9	0	1.1	0

See explanatory information, if any, and SOURCE at end of table.

Table C-9. Estimated Federal obligations for total research and development, by agency and performer: fiscal year 1996

[Dollars in millions]

Page 3 of 4

Agency and subdivision	Total	Intramural [1]	Extramural							
			United States and territories							Foreign
			Industrial firms	FFRDCs admin by industrial firms	Universities and colleges	FFRDCs admin by univs and colleges	Other nonprofit institutions	FFRDCs admin by nonprofit institutions	State and local govts	
Department of Labor, total	67.2	10.1	19.9	0	9.5	0	11.0	0	16.8	0
Bureau of Labor Statistics	13.3	4.1	0	0	9.2	0	0	0	0	0
Employment & Training Admin	39.8	1.4	12.7	0	2	0	8.7	0	16.8	0
Occupational Safety & Health Administration	4.4	1.3	3.1	0	0	0	0	0	0	0
Office of the Secretary	6.3	2.2	1.7	0	1	0	2.3	0		0
Pension Benefit Guaranty Corporation	5	2	3	0	0	0	0	0	0	0
Pension & Welfare Benefit Admin	2.8	8	2.0	0	0	0	0	0	0	0
Department of State[14]	5.4	4	1	0			4.9	0	0	0
Department of Transportation, total	710.1	244.1	271.8	9.9	47.9	2.0	21.9	13.8	97.2	1.5
Coast Guard	22.0	15.6	5.8	0	6	0	0	0	0	0
Federal Aviation Administration	287.9	161.8	89.1	0	21.0	8	0	13.8	0	1.4
Federal Railroad Administration	40.0	10.3	4.7	0	5	0	6.7	0	17.8	1
Infrastructure Investment[15]	316.3	36.9	154.8	9.9	19.6	1.3	14.3	0	79.4	0
Maritime Administration	5.0	1.3	3.2	0	1	0	3	0	0	0
National Highway Traffic Safety Administration	20.2	10.0	3.6	0	6.0	0	5	0	0	0
Office of the Secretary	4.9	3.9	9	0	1	0	0	0	0	0
Research & Special Programs Administration	13.9	4.2	9.7	0	0	0	0	0	0	0
Department of the Treasury, total	52.8	43.9	7.6	0	1.1	2	0	0	0	0
Bureau of Engraving & Printing	2.6	2.4	0	0	0	2	0	0	0	0
Internal Revenue Service[16]	40.1	38.9	0	0	1.1	0	0	0	0	0
Office of Thrift Supervision[17]	7	7	0	0	0	0	0	0	0	0
United States Customs Service	8.9	1.6	7.3	0	0	0	0	0	0	0
United States Secret Service[18]	6	3	3	0	0	0	0	0	0	0
Department of Veterans Affairs	258.0	256.0	0	0	2.0	0	0	0	0	0
Other agencies										
Advisory Commission on Intergovernmental Relations	1.5	1.5	0	0	0	0	0	0	0	0
Agency for International Development	222.0	25.4	11.2	0	15.3	0	147.7	0	0	22.5
Appalachian Regional Commission	9	1	3	0	5	0	0	0	0	0
Consumer Product Safety Commission	3	2	1	0	0	0	0	0	0	0
Environmental Protection Agency	675.4	150.7	247.5	0	112.7	0	0	0	165.4	0
Federal Communications Commission	1.8	1.8	0	0	0	0	0	0	0	0
Federal Trade Commission	1.0	1.0	0	0	0	0	0	0	0	0
Library of Congress	9.7	9.7	0	0	0	0	0	0	0	0
National Aeronautics & Space Admin	8,105.7	2,026.4	4,160.3	0	652.0	965.0	250.1	7.0	7.2	37.6
National Archives & Records Admin	1	1	0	0	0	0	0	0	0	0
National Science Foundation	2,303.1	22.6	103.7	0	1,900.2	138.0	129.0	2	3.2	6.1
Nuclear Regulatory Commission	81.8	12.8	6.0	30.4	4.7	10.8	5.6	8.9	0	2.6
Smithsonian Institution	129.2	129.2	0	0	0	0	0	0	0	0
Social Security Administration[19]	37.2	16.0	2.4	0	5	0	18.4	0	0	0
Tennessee Valley Authority	103.4	103.4	0	0	0	0	0	0	0	0

See explanatory information, if any, and SOURCE at end of table

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Table C-9. Estimated Federal obligations for total research and development, by agency and performer: fiscal year 1996

[Dollars in millions]

Page 4 of 4

Agency and subdivision	Total	Intra-mural [1]	Extramural							
			United States and territories							Foreign
			Indus-trial firms	FFRDCs admin by in-dustrial firms	Univer-sities and colleges	FFRDCs admin by univs and colleges	Other non-profit insti-tutions	FFRDCs admin by nonprofit insti-tutions	State and local govts	
US Arms Control & Disarmament Agency[20]	1.1	0.3	0.8	0	0	0	0	0	0	0
United States Information Agency	3	3	0	0	0	0	0	0	0	0
US International Trade Commission	10.8	10.8	0	0	0	0	0	0	0	0

[1] Includes costs associated with the administration of intramural and extramural programs by Federal personnel as well as actual intramural performance.

[2] Data reported for the Agricultural Marketing Service include funds for the Office of Transportation beginning in 1989.

[3] The Human Nutrition Information Service merged with the Agricultural Research Service on February 20, 1994.

[4] The Cooperative State Research Service merged with the Extension Service on October 19, 1994, due to a reorganization within the Department of Agriculture.

[5] Name changed from Federal Grain Inspection Service on October 20, 1994.

[6] The Office of International Cooperation and Development became part of the Foreign Agricultural Service (FAS) in June of 1994. Data reported for FAS include funds appropriated to International Cooperation and Development programs within FAS as of fiscal year 1995.

[7] Beginning with Vol. 40, Department of Defense (DoD) research is reported separately from DoD development. DoD states that more than 90 percent of its development reported for "universities and colleges" is performed at off-campus, university-affiliated laboratories that are not involved in teaching.

[8] Not all Department of Defense (DoD) agencies with development obligations are able to categorize these obligations according to the advanced technology and major systems development breakdown. Therefore, total DoD development does not equal the sum of total DoD advanced technology development and total DoD major systems development.

[9] The Vol. 44 data for Joint Staff were prorated using Vol. 43 data. The development breakdown could not be prorated using Vol. 43 data.

[10] In fiscal year 1991 Human Development Services was replaced by the Administration for Children and Families and by the Administration on Aging. Beginning in fiscal year 1992, data shown for the Administration for Children and Families are separate from obligations for the Administration on Aging.

[11] In fiscal year 1991 the Agency for Health Care Policy and Research became separate from the Office of the Assistant Secretary for Health.

[12] The National Biological Service's name changed from the National Biological Survey on January 5, 1995. As of fiscal year 1994, the National Biological Service performs all biological research activities formerly funded by the US Fish & Wildlife Service and the National Park Service.

[13] Formerly listed as Federal Prison System.

[14] Increases in outlays and obligations reported by the Department of State during the Vol. 44 survey cycle reflect reporting of monies received through interagency agreements from the Agency for International Development. The Department of State transfers these outlays and obligations to other R&D performers.

[15] Monies estimated for fiscal year 1996 by Infrastructure Investment represent a proposed consolidation of several agencies within the Department of Transportation.

[16] Large changes in obligations reported by the Internal Revenue Service for Vol. 44 are due to the shifts in research funding.

[17] In 1989 the Federal Home Loan Bank Board was replaced by the Office of Thrift Supervision. In 1990 the Office of Thrift Supervision became part of the Department of the Treasury.

[18] Formerly listed as Office of Protective Research.

[19] As of March 31, 1995, the Social Security Administration became an independent agency; it is no longer part of the Department of Health & Human Services.

[20] Fiscal year 1994 figures are estimates based on the Vol. 43 submission.

NOTES: Because of rounding, detail may not add to totals.

Data for only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal Funds Survey, refer to appendix A.

Beginning with this volume, Department of Defense development obligations are reported in two categories: advanced technology and major systems.

KEY:
= Amount less than 50 thousand dollars
FFRDCs = Federally funded research and development centers

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1994, 1995, and 1996.

Table C-10. Federal obligations for research and development and for R&D plant to federally funded research and development centers, by agency: fiscal year 1994

[Dollars in thousands]

Page 1 of 1

Agency and subdivision	Research and development				R&D plant			
	Total	Admin by industrial firms	Admin by univs & colleges	Admin by other nonprofit insts	Total	Admin by industrial firms	Admin by univs & colleges	Admin by other nonprofit insts
Total, all agencies	5,321,939	1,293,494	3,292,933	735,512	801,008	119,366	608,752	72,890
Department of Commerce, total	1,442	255	1,187	0	0	0	0	0
National Institute of Standards & Technology	420	0	420	0	0	0	0	0
National Oceanic & Atmospheric Administration	1,022	255	767	0	0	0	0	0
Department of Defense, total	855,986	115,513	274,947	465,526	3,191	2,865	294	32
Department of the Army	101,382	29,941	46,913	24,528	0	0	0	0
Department of the Navy	106,630	9,017	23,651	73,962	0	0	0	0
Department of the Air Force	273,823	14,448	12,310	247,065	0	0	0	0
Defense agencies, total	355,940	62,107	191,808	102,025	3,191	2,865	294	32
Advanced Rsch Projects Agency	112,771	6,279	81,505	24,987	0	0	0	0
Ballistic Missile Defense Organization	120,837	32,733	61,539	26,565	0	0	0	0
Defense Info Systems Agency	16,136	0	1,915	14,221	0	0	0	0
Defense Logistics Agency	210	0	0	210	0	0	0	0
Defense Mapping Agency	854	0	300	554	0	0	0	0
Defense Nuclear Agency	26,980	6,881	18,244	1,855	0	0	0	0
Washington Headquarters Svcs	78,152	16,214	28,305	33,633	3,191	2,865	294	32
Operational Test & Evaluation, Director	10,300	0	0	10,300	0	0	0	0
Test & Evaluation, Deputy Under Secretary Defense	7,911	0	265	7,646	0	0	0	0
Department of Energy	3,310,175	1,011,006	2,077,228	221,941	772,939	116,501	583,580	72,858
Dept of Health & Human Svcs, total	172,945	127,991	26,877	18,077	0	0	0	0
Centers for Disease Control & Prevention	64	0	0	64	0	0	0	0
National Institutes of Health	172,881	127,991	26,877	18,013	0	0	0	0
Department of the Interior, total	2,112	1,897	215	0	0	0	0	0
Bureau of Mines	1,447	1,447	0	0	0	0	0	0
Minerals Management Service	590	450	140	0	0	0	0	0
National Park Service[1]	75	0	75	0	0	0	0	0
Department of Justice, total	100	100	0	0	0	0	0	0
Drug Enforcement Administration	100	100	0	0	0	0	0	0
Department of State[2]	15	0	15	0	0	0	0	0
Department of Transportation, total	18,860	3,944	1,589	13,327	0	0	0	0
Federal Aviation Administration	14,805	0	1,478	13,327	0	0	0	0
Federal Highway Administration	4,055	3,944	111	0	0	0	0	0
Department of the Treasury, total	167	0	167	0	0	0	0	0
Bureau of Engraving & Printing	167	0	167	0	0	0	0	0
Other agencies								
National Aeronautics & Space Admin	778,198	0	771,176	7,022	0	0	0	0
National Science Foundation	125,883	0	125,648	235	24,878	0	24,878	0
Nuclear Regulatory Commission	56,056	32,788	13,884	9,384	0	0	0	0

[1] The National Biological Service's name changed from the National Biological Survey on January 5, 1995. As of fiscal year 1994, the National Biological Service performs all biological research activities formerly funded by the US Fish & Wildlife Service and the National Park Service.

[2] Increases in outlays and obligations reported by the Department of State during the Vol. 44 survey cycle reflect reporting of monies received through interagency agreements from the Agency for International Development. The Department of State transfers these outlays and obligations to other R&D performers.

NOTE: Data for only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal Funds Survey, refer to appendix A.

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1994, 1995, and 1996.

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Table C-11. Estimated Federal obligations for research and development and for R&D plant to federally funded research and development centers, by agency: fiscal year 1995

[Dollars in thousands]

Page 1 of 1

Agency and subdivision	Research and development				R&D plant			
	Total	Admin by industrial firms	Admin by univs & colleges	Admin by other nonprofit insts	Total	Admin by industrial firms	Admin by univs & colleges	Admin by other nonprofit insts
Total, all agencies	5,449,789	1,192,334	3,479,687	777,768	733,552	104,023	558,262	71,267
Department of Commerce, total	820	0	820	0	0	0	0	0
National Institute of Standards & Technology	420	0	420	0	0	0	0	0
National Oceanic & Atmospheric Administration	400	0	400	0	0	0	0	0
Department of Defense, total	796,349	90,054	245,250	461,045	2,318	2,008	287	23
Department of the Army	76,658	25,226	26,499	24,933	0	0	0	0
Department of the Navy	106,724	7,326	23,600	75,798	0	0	0	0
Department of the Air Force	261,963	15,438	20,054	226,471	0	0	0	0
Defense agencies, total	332,623	42,064	174,747	115,812	2,318	2,008	287	23
Advanced Rsch Projects Agency	114,903	4,582	72,149	38,172	0	0	0	0
Ballistic Missile Defense Organization	105,989	19,547	61,937	24,505	0	0	0	0
Defense Info Systems Agency	12,483	0	255	12,228	0	0	0	0
Defense Logistics Agency	200	200	0	0	0	0	0	0
Defense Mapping Agency	1,238	0	500	738	0	0	0	0
Defense Nuclear Agency	11,386	1,205	9,861	320	0	0	0	0
Special Operations Command	3,996	3,996	0	0	0	0	0	0
Washington Headquarters Svcs	82,428	12,534	30,045	39,849	2,318	2,008	287	23
Operational Test & Evaluation, Director	13,670	0	350	13,320	0	0	0	0
Test & Evaluation, Deputy Under Secretary Defense	4,711	0	0	4,711	0	0	0	0
Department of Energy	3,275,143	936,866	2,071,024	267,253	676,169	102,015	502,910	71,244
Dept of Health & Human Svcs, total	179,111	132,532	27,911	18,668	0	0	0	0
Centers for Disease Control & Prevention	64	0	0	64	0	0	0	0
National Institutes of Health	179,047	132,532	27,911	18,604	0	0	0	0
Department of the Interior, total	4,887	130	4,757	0	0	0	0	0
Bureau of Mines	105	105	0	0	0	0	0	0
Geological Survey	4,500	0	4,500	0	0	0	0	0
Minerals Management Service	172	25	147	0	0	0	0	0
National Park Service[1]	110	0	110	0	0	0	0	0
Department of Justice, total	100	100	0	0	0	0	0	0
Drug Enforcement Administration	100	100	0	0	0	0	0	0
Department of State[2]	15	0	15	0	0	0	0	0
Department of Transportation, total	15,842	844	792	14,206	0	0	0	0
Federal Aviation Administration	14,998	0	792	14,206	0	0	0	0
Federal Highway Administration	844	844	0	0	0	0	0	0
Department of the Treasury, total	184	0	184	0	0	0	0	0
Bureau of Engraving & Printing	184	0	184	0	0	0	0	0
Other agencies:								
National Aeronautics & Space Admin	991,126	0	984,104	7,022	0	0	0	0
National Science Foundation	132,098	0	131,863	235	55,065	0	55,065	0
Nuclear Regulatory Commission	54,114	31,808	12,967	9,339	0	0	0	0

[1] The National Biological Service's name changed from the National Biological Survey on January 5, 1995. As of fiscal year 1994, the National Biological Service performs all biological research activities formerly funded by the US Fish & Wildlife Service and the National Park Service.

[2] Increases in outlays and obligations reported by the Department of State during the Vol. 44 survey cycle reflect reporting of monies received through interagency agreements from the Agency for International Development. The Department of State transfers these outlays and obligations to other R&D performers.

NOTE: Data for only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal Funds Survey, refer to appendix A.

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1994, 1995, and 1996

Table C-12. Estimated Federal obligations for research and development and for R&D plant to federally funded research and development centers, by agency: fiscal year 1996

[Dollars in thousands]

Page 1 of 1

Agency and subdivision	Research and development				R&D plant			
	Total	Admin by indus-trial firms	Admin by univs & colleges	Admin by other nonprofit insts	Total	Admin by indus-trial firms	Admin by univs & colleges	Admin by other nonprofit insts
Total, all agencies	5,594,237	1,287,328	3,514,664	792,245	756,659	92,861	578,715	85,083
Department of Commerce, total	1,351	0	920	431	0	0	0	0
National Institute of Standards & Technology	771	0	420	351	0	0	0	0
National Oceanic & Atmospheric Administration	580	0	500	80	0	0	0	0
Department of Defense, total	782,047	91,976	243,996	446,075	2,245	1,950	276	19
Department of the Army	41,681	6,761	19,887	15,033	0	0	0	0
Department of the Navy	109,518	12,403	24,193	72,922	0	0	0	0
Department of the Air Force	265,205	25,079	10,666	229,460	0	0	0	0
Defense agencies, total	347,168	47,733	188,900	110,535	2,245	1,950	276	19
Advanced Rsch Projects Agency	117,280	4,753	73,933	38,594	0	0	0	0
Ballistic Missile Defense Organization	93,408	11,283	57,673	24,452	0	0	0	0
Defense Info Systems Agency	11,039	0	548	10,491	0	0	0	0
Defense Logistics Agency	200	200	0	0	0	0	0	0
Defense Mapping Agency	860	0	500	360	0	0	0	0
Defense Nuclear Agency	13,443	150	12,973	320	0	0	0	0
Special Operations Command	2,203	2,203	0	0	0	0	0	0
Washington Headquarters Svcs	108,735	29,144	43,273	36,318	2,245	1,950	276	19
Operational Test & Evaluation, Director	13,670	0	350	13,320	0	0	0	0
Test & Evaluation, Deputy Under Secretary Defense	4,805	0	0	4,805	0	0	0	0
Department of Energy	3,429,689	1,016,890	2,116,444	296,355	736,932	90,911	560,957	85,064
Dept of Health & Human Svcs, total	186,462	137,969	29,056	19,437	0	0	0	0
Centers for Disease Control & Prevention	64	0	0	64	0	0	0	0
National Institutes of Health	186,398	137,969	29,056	19,373	0	0	0	0
Department of the Interior, total	8,265	70	8,195	0	0	0	0	0
Geological Survey	8,000	0	8,000	0	0	0	0	0
Minerals Management Service	190	70	120	0	0	0	0	0
National Park Service[1]	75	0	75	0	0	0	0	0
Department of Justice, total	100	100	0	0	0	0	0	0
Drug Enforcement Administration	100	100	0	0	0	0	0	0
Department of State[2]	30	0	30	0	0	0	0	0
Department of Transportation, total	25,748	9,887	2,025	13,836	0	0	0	0
Federal Aviation Administration	14,607	0	771	13,836	0	0	0	0
Infrastructure Investment[3]	11,141	9,887	1,254	0	0	0	0	0
Department of the Treasury, total	202	0	202	0	0	0	0	0
Bureau of Engraving & Printing	202	0	202	0	0	0	0	0
Other agencies:								
National Aeronautics & Space Admin	972,023	0	965,001	7,022	0	0	0	0
National Science Foundation	138,244	0	138,009	235	17,482	0	17,482	0
Nuclear Regulatory Commission	50,076	30,436	10,786	8,854	0	0	0	0

[1] The National Biological Service's name changed from the National Biological Survey on January 5, 1995. As of fiscal year 1994, the National Biological Service performs all biological research activities formerly funded by the US Fish & Wildlife Service and the National Park Service.

[2] Increases in outlays and obligations reported by the Department of State during the Vol. 44 survey cycle reflect reporting of monies received through interagency agreements from the Agency for International Development. The Department of State transfers these outlays and obligations to other R&D performers.

[3] Monies estimated for fiscal year 1996 by Infrastructure Investment represent a proposed consolidation of several agencies within the Department of Transportation.

NOTE: Data for only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal Funds Survey, refer to appendix A.

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1994, 1995, and 1996

Table C-13. Federal obligations for research and development to federally funded research and development centers (FFRDCs), by individual FFRDC and agency: fiscal year 1994

[Dollars in thousands]

Page 1 of 1

Federally funded research and development centers	Total	Dept of Commerce	Dept of Defense	Dept of Energy	Dept of Health & Human Services	National Aeronautics & Space Admin	National Science Foundation	Other
Total, all FFRDCs	5,321,939	1,442	855,986	3,310,175	172,945	778,198	125,883	77,310
FFRDCs administered by industrial firms	1,293,494	255	115,513	1,011,006	127,991	0	0	38,729
Energy Technology Engineering Center	1,010	0	0	635	0	0	0	375
Idaho National Engineering Laboratory	85,853	0	4,454	68,531	0	0	0	12,868
NCI Frederick Cancer R&D Center	127,181	0	0	0	127,181	0	0	0
Oak Ridge National Laboratory	288,824	255	10,116	261,883	810	0	0	15,760
Sandia National Laboratory	730,311	0	97,801	622,784	0	0	0	9,726
Savannah River Laboratory	60,315	0	3,142	57,173	0	0	0	0
FFRDCs administered by universities & colleges	3,292,933	1,187	274,947	2,077,228	26,877	771,176	125,648	15,870
Ames Laboratory	27,796	0	110	27,093	593	0	0	0
Argonne National Laboratory	258,533	0	4,359	248,713	547	100	0	4,814
Brookhaven National Laboratory	218,792	145	6,290	197,690	3,872	1,810	1,182	7,803
Continuous Electron Beam Accelerator Facility	44,359	0	0	44,359	0	0	0	0
Fermi National Accelerator Laboratory	168,684	0	0	168,683	0	0	1	0
Jet Propulsion Laboratory	785,880	160	23,943	0	0	761,648	129	0
Lawrence Berkeley Laboratory	174,136	0	1,428	159,947	11,943	555	123	140
Lawrence Livermore National Laboratory	526,388	125	35,192	487,067	2,094	952	92	866
Lincoln Laboratory	136,058	157	135,901	0	0	0	0	0
Los Alamos National Scientific Lab	552,389	0	42,285	500,927	6,215	882	0	2,080
National Astronomy & Ionosphere Center	10,035	0	0	0	0	0	10,035	0
National Ctr for Atmospheric Research	59,527	0	609	0	0	2,429	56,489	0
Nat'l Optical Astronomy Observatories	28,271	0	0	0	0	0	28,271	0
National Radio Astronomy Observatory	29,218	0	0	0	0	0	29,218	0
Oak Ridge Inst for Science & Education	24,082	0	0	20,622	493	2,800	0	167
Princeton Plasma Physics Laboratory	102,109	0	183	101,818	0	0	108	0
Software Engineering Institute	25,247	600	24,647	0	0	0	0	0
Stanford Linear Accelerator Center	121,429	0	0	120,309	1,120	0	0	0
FFRDCs administered by other nonprofit institutions[1]	735,512	0	465,526	221,941	18,077	7,022	235	22,711
Aerospace Corporation	144,900	0	143,070	196	0	1,634	0	0
Arroyo Center	1,765	0	1,765	0	0	0	0	0
C3I Federal Contract Research Center	189,967	0	184,437	0	0	5,388	142	0
Center for Advanced Aviation System Development	17,498	0	4,171	0	0	0	0	13,327
Center for Naval Analyses	46,733	0	46,733	0	0	0	0	0
Center for Nuclear Waste Regulatory Analyses	5,234	0	0	0	0	0	0	5,234
Inhalation Toxicology Research Inst	7,341	0	0	7,078	263	0	0	0
Institute for Defense Analyses	46,731	0	46,638	0	0	0	93	0
Logistics Management Institute	3,122	0	3,122	0	0	0	0	0
National Defense Research Institute	17,833	0	7,612	0	10,221	0	0	0
Nat'l Renewable Energy Research Lab	81,948	0	890	81,058	0	0	0	0
Pacific Northwest Laboratories	148,440	0	3,088	133,609	7,593	0	0	4,150
Project Air Force	24,000	0	24,000	0	0	0	0	0

[1] Other than universities and colleges

NOTES: Data for only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal Funds Survey, refer to appendix A.

Although the Tax Systems Modernization Institute is an active FFRDC, no R&D funds were obligated to it for Vol. 44.

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1994, 1995, and 1996

Table C-14. Federal obligations for R&D plant to federally funded research and development centers (FFRDCs), by individual FFRDC and agency: fiscal year 1994

[Dollars in thousands]

Page 1 of 1

Federally funded research and development centers	Total	Dept of Commerce	Dept of Defense	Dept of Energy	Dept of Health & Human Services	National Aeronautics & Space Admin	National Science Foundation	Other
Total, all FFRDCs	801,008	0	3,191	772,939	0	0	24,878	0
FFRDCs administered by industrial firms	119,366	0	2,865	116,501	0	0	0	0
Idaho National Engineering Laboratory	5,079	0	0	5,079	0	0	0	0
Oak Ridge National Laboratory	36,951	0	0	36,951	0	0	0	0
Sandia National Laboratory	71,661	0	1,804	69,857	0	0	0	0
Savannah River Laboratory	5,675	0	1,061	4,614	0	0	0	0
FFRDCs administered by universities & colleges	608,752	0	294	583,580	0	0	24,878	0
Ames Laboratory	3,088	0	0	3,088	0	0	0	0
Argonne National Laboratory	134,890	0	0	134,890	0	0	0	0
Brookhaven National Laboratory	121,358	0	0	121,358	0	0	0	0
Continuous Electron Beam Accelerator Facility	27,935	0	0	27,935	0	0	0	0
Fermi National Accelerator Laboratory	61,434	0	0	61,434	0	0	0	0
Lawrence Berkeley Laboratory	39,272	0	0	39,272	0	0	0	0
Lawrence Livermore National Laboratory	68,923	0	0	68,923	0	0	0	0
Los Alamos National Scientific Lab	70,342	0	294	70,048	0	0	0	0
National Astronomy & Ionosphere Center	100	0	0	0	0	0	100	0
National Ctr for Atmospheric Research	7,765	0	0	0	0	0	7,765	0
Nat'l Optical Astronomy Observatories	17,013	0	0	0	0	0	17,013	0
Oak Ridge Inst for Science & Education	1,179	0	0	1,179	0	0	0	0
Princeton Plasma Physics Laboratory	2,103	0	0	2,103	0	0	0	0
Stanford Linear Accelerator Center	53,350	0	0	53,350	0	0	0	0
FFRDCs administered by other nonprofit institutions[1]	72,890	0	32	72,858	0	0	0	0
Inhalation Toxicology Research Inst	762	0	0	762	0	0	0	0
Nat'l Renewable Energy Research Lab	18,125	0	0	18,125	0	0	0	0
Pacific Northwest Laboratories	54,003	0	32	53,971	0	0	0	0

[1] Other than universities and colleges

NOTES: Data for only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal Funds Survey, refer to appendix A.

Although the Tax Systems Modernization Institute is an active FFRDC, no R&D funds were obligated to it for Vol. 44

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1994, 1995, and 1996

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Table C-15. Federal obligations for research, by agency and performer: fiscal year 1994

[Dollars in thousands]

Page 1 of 3

Agency and subdivision	Total	Intramural [1]	Extramural							
			United States and territories							Foreign
			Industrial firms	FFRDCs admin by industrial firms	Universities and colleges	FFRDCs admin by univs and colleges	Other nonprofit institutions	FFRDCs admin by nonprofit institutions	State and local govts	
Total, all agencies	27,440,352	7,488,166	4,063,492	737,194	10,323,496	2,181,119	2,094,886	177,951	230,751	143,297
Departments										
Department of Agriculture, total	1,322,188	857,756	11,681	0	435,315	0	11,468	0	2,031	3,937
Agricultural Cooperative Service	3,734	3,462	0	0	272	0	0	0	0	0
Agricultural Marketing Service[2]	4,231	3,958	0	0	273	0	0	0	0	0
Agricultural Research Service[3]	624,378	593,198	0	0	23,203	0	3,893	0	397	3,687
Cooperative State Research, Education, & Extension Svc[4]	428,995	23,688	8,597	0	389,064	0	6,525	0	1,121	0
Economic Research Service	55,219	52,723	0	0	2,496	0	0	0	0	0
Grain Inspection Packers & Stockyards Administration[5]	1,791	1,791	0	0	0	0	0	0	0	0
Foreign Agricultural Service[6]	775	580	0	0	195	0	0	0	0	0
Forest Service	189,800	168,275	245	0	19,467	0	1,050	0	513	250
Human Nutrition Information Svc[3]	6,992	3,923	2,839	0	230	0	0	0	0	0
Nat'l Agricultural Statistics Svc	3,861	3,746	0	0	115	0	0	0	0	0
Rural Business & Coop Dvlpmt Svc	2,412	2,412	0	0	0	0	0	0	0	0
Department of Commerce, total	718,280	541,269	90,498	0	78,503	430	1,957	0	5,359	264
Bureau of the Census	2,842	2,842	0	0	0	0	0	0	0	0
Economic Development Admin	605	48	143	0	113	0	301	0	0	0
National Institute of Standards & Technology	207,298	165,620	30,770	0	9,532	420	694	0	0	262
National Oceanic & Atmospheric Administration	502,698	367,922	59,585	0	68,858	10	962	0	5,359	2
National Telecommunications & Information Administration	4,837	4,837	0	0	0	0	0	0	0	0
Department of Defense, total	4,262,208	1,555,945	1,394,593	11,561	1,110,664	73,081	79,704	11,385	0	25,275
Department of the Army	852,574	575,917	159,236	1,539	96,886	4,555	5,769	819	0	7,853
Department of the Navy	847,127	355,721	213,690	94	236,635	2,698	30,764	600	0	6,925
Department of the Air Force	814,301	367,946	224,678	779	206,984	1,100	9,076	1,913	0	1,825
Defense agencies, total	1,748,206	256,361	796,989	9,149	570,159	64,728	34,095	8,053	0	8,672
Advanced Rsch Projects Agency	929,027	50,113	542,281	4,783	253,587	39,992	29,918	5,289	0	3,064
Ballistic Missile Defense Organization	100,607	18,132	67,022	0	9,260	4,626	63	324	0	1,180
Defense Info Systems Agency	1,940	1,940	0	0	0	0	0	0	0	0
Defense Logistics Agency	8,897	8,897	0	0	0	0	0	0	0	0
Defense Nuclear Agency	232,655	45,674	158,239	4,366	5,231	15,649	1,934	400	0	1,162
Special Operations Command	33,347	17,586	15,761	0	0	0	0	0	0	0
Uniformed Svcs University of the Health Sciences	848	848	0	0	0	0	0	0	0	0
Washington Headquarters Svcs	440,885	113,171	13,686	0	302,081	4,461	2,180	2,040	0	3,266
Department of Education	136,754	7,055	6,011	0	92,825	0	25,965	0	4,898	0
Department of Energy	3,282,466	217,663	172,946	576,222	528,693	1,594,579	51,250	136,281	1,426	3,406
Dept of Health & Human Svcs, total	9,736,441	1,918,165	408,663	112,633	5,639,375	23,650	1,432,925	16,171	140,115	44,744
Administration on Aging[7]	3,500	171	1,175	0	1,192	0	850	0	112	0
Admin for Children & Families[7]	10,436	209	0	0	9,183	0	996	0	48	0
Agency for Health Care Policy & Research[8]	142,036	27,474	34,711	0	55,175	0	23,873	0	0	803
Centers for Disease Control & Prevention	206,800	159,142	6,400	0	29,872	0	9,895	64	1,427	0
Food & Drug Administration	169,433	153,536	0	0	10,128	0	5,769	0	0	0
Health Care Financing Admin	79,959	875	15,689	0	7,359	0	27,267	0	28,769	0
Health Resources & Svcs Admin	10,581	2,499	0	0	6,799	0	1,283	0	0	0
National Institutes of Health	9,079,728	1,553,916	345,166	112,633	5,517,409	23,650	1,358,257	16,107	108,649	43,941
Office of the Secretary	11,741	5,665	3,022	0	877	0	2,177	0	0	0
Social Security Administration[9]	22,227	14,678	2,500	0	1,381	0	2,558	0	1,110	0
Department of Housing & Urban Dvlpmt	13,713	8,089	790	0	716	0	4,118	0	0	0

See explanatory information, if any, and SOURCE at end of table.

Table C-15. Federal obligations for research, by agency and performer: fiscal year 1994

[Dollars in thousands]

Page 2 of 3

Agency and subdivision	Total	Intramural [1]	Extramural							
			United States and territories							Foreign
			Industrial firms	FFRDCs admin by industrial firms	Universities and colleges	FFRDCs admin by univs and colleges	Other nonprofit institutions	FFRDCs admin by nonprofit institutions	State and local govts	
Department of the Interior, total	650,150	569,089	19,824	1,738	51,961	215	966	0	5,165	1,192
Bureau of Mines	95,374	72,671	13,289	1,288	7,789	0	337	0	0	0
Bureau of Reclamation	5,545	5,060	0	0	213	0	272	0	0	0
Geological Survey	355,370	330,296	1,310	0	18,764	0	0	0	5,000	0
Minerals Management Service	20,568	6,598	3,804	450	8,114	140	105	0	165	1,192
National Biological Service[10]	149,049	141,235	53	0	7,556	0	205	0	0	0
National Park Service[10]	24,244	13,229	1,368	0	9,525	75	47	0	0	0
Department of Justice, total	25,855	3,154	1,050	0	3,473	0	16,822	0	1,356	0
Bureau of Prisons[11]	2,100	1,750	0	0	0	0	0	0	350	0
Drug Enforcement Administration	72	72	0	0	0	0	0	0	0	0
Immigration & Naturalization Svc	400	40	0	0	0	0	360	0	0	0
Office of Justice Programs	23,283	1,292	1,050	0	3,473	0	16,462	0	1,006	0
Department of Labor, total	19,569	8,096	6,666	0	4,200	0	507	0	100	0
Bureau of Labor Statistics	7,100	3,100	0	0	4,000	0	0	0	0	0
Employment & Training Admin	3,093	929	1,432	0	200	0	432	0	100	0
Occupational Safety & Health Administration	3,310	1,182	2,128	0	0	0	0	0	0	0
Office of the Secretary	3,090	2,092	923	0	0	0	75	0	0	0
Pension Benefit Guaranty Corporation	301	51	250	0	0	0	0	0	0	0
Pension & Welfare Benefit Admin	2,675	742	1,933	0	0	0	0	0	0	0
Department of State[12]	8,238	350	70	0	0	15	7,803	0	0	0
Department of Transportation, total	273,387	85,629	87,494	2,252	39,607	1,589	11,544	1,485	42,366	1,421
Coast Guard	5,582	3,769	1,313	0	500	0	0	0	0	0
Federal Aviation Administration	79,473	41,823	21,016	0	12,681	1,478	0	1,485	0	990
Federal Highway Administration	134,192	12,627	54,299	2,252	17,390	111	5,080	0	42,136	297
Federal Railroad Administration	16,050	10,494	2,549	0	250	0	2,757	0	0	0
Federal Transit Administration[13]	7,812	2,195	400	0	2,651	0	2,336	0	230	0
Maritime Administration	1,744	813	493	0	135	0	303	0	0	0
National Highway Traffic Safety Administration	25,315	12,892	5,221	0	6,000	0	1,068	0	0	134
Office of the Secretary	570	155	415	0	0	0	0	0	0	0
Research & Special Programs Administration	2,649	861	1,788	0	0	0	0	0	0	0
Department of the Treasury, total	9,182	7,275	598	0	1,142	167	0	0	0	0
Bureau of Engraving & Printing	1,628	1,461	0	0	0	167	0	0	0	0
Internal Revenue Service[14]	6,134	4,992	0	0	1,142	0	0	0	0	0
Office of Thrift Supervision[15]	481	481	0	0	0	0	0	0	0	0
United States Customs Service	480	90	390	0	0	0	0	0	0	0
United States Secret Service[16]	459	251	208	0	0	0	0	0	0	0
Department of Veterans Affairs	223,479	222,529	0	0	950	0	0	0	0	0
Other agencies										
Advisory Commission on Intergovernmental Relations	1,355	1,355	0	0	0	0	0	0	0	0
Agency for International Dvlpmt	216,213	45,267	8,760	0	22,741	0	112,439	0	0	27,006
Appalachian Regional Commission	900	100	0	0	0	0	0	0	800	0
Consumer Product Safety Commission	130	65	65	0	0	0	0	0	0	0
Environmental Protection Agency	402,322	82,797	146,087	0	71,409	0	84,002	0	18,027	0

See explanatory information, if any, and SOURCE at end of table.

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Table C-15. Federal obligations for research, by agency and performer: fiscal year 1994

[Dollars in thousands]

Page 3 of 3

Agency and subdivision	Total	Intramural [1]	Extramural							
			United States and territories							Foreign
			Industrial firms	FFRDCs admin by industrial firms	Universities and colleges	FFRDCs admin by univs and colleges	Other nonprofit institutions	FFRDCs admin by nonprofit institutions	State and local govts	
Federal Communications Commission	1,683	1,683	0	0	0	0	0	0	0	0
Federal Trade Commission	705	705	0	0	0	0	0	0	0	0
Library of Congress	1,900	1,900	0	0	0	0	0	0	0	0
National Aeronautics & Space Admin	3,840,559	1,160,140	1,621,659	0	555,371	347,861	118,517	3,010	5,836	28,165
National Archives & Records Admin	280	280	0	0	0	0	0	0	0	0
National Science Foundation	2,040,358	18,068	78,822	0	1,680,208	125,648	128,818	235	3,272	5,287
Nuclear Regulatory Commission	90,705	13,160	6,490	32,788	6,343	13,884	6,056	9,384	0	2,600
Smithsonian Institution	124,176	124,176	0	0	0	0	0	0	0	0
Tennessee Valley Authority	25,910	25,910	0	0	0	0	0	0	0	0
US Arms Control & Disarmament Agency [17]	1,323	573	725	0	0	0	25	0	0	0
United States Information Agency	559	559	0	0	0	0	0	0	0	0
US International Trade Commission	9,364	9,364	0	0	0	0	0	0	0	0

[1] Includes costs associated with the administration of intramural and extramural programs by Federal personnel as well as actual intramural performance.

[2] Data reported for the Agricultural Marketing Service include funds for the Office of Transportation beginning in 1989.

[3] The Human Nutrition Information Service merged with the Agricultural Research Service on February 20, 1994.

[4] The Cooperative State Research Service merged with the Extension Service on October 19, 1994, due to a reorganization within the Department of Agriculture.

[5] Name changed from Federal Grain Inspection Service on October 20, 1994.

[6] The Office of International Cooperation and Development became part of the Foreign Agricultural Service (FAS) in June of 1994. Data reported for FAS include funds appropriated to International Cooperation and Development programs within FAS as of fiscal year 1995.

[7] In fiscal year 1991 Human Development Services was replaced by the Administration for Children and Families and by the Administration on Aging. Beginning in fiscal year 1992, data shown for the Administration for Children and Families are separate from obligations for the Administration on Aging.

[8] In fiscal year 1991 the Agency for Health Care Policy and Research became separate from the Office of the Assistant Secretary for Health.

[9] As of March 31, 1995, the Social Security Administration became an independent agency; it is no longer part of the Department of Health & Human Services.

[10] The National Biological Service's name changed from the National Biological Survey on January 5, 1995. As of fiscal year 1994, the National Biological Service performs all biological research activities formerly funded by the US Fish & Wildlife Service and the National Park Service.

[11] Formerly listed as Federal Prison System.

[12] Increases in outlays and obligations reported by the Department of State during the Vol. 44 survey cycle reflect reporting of monies received through interagency agreements from the Agency for International Development. The Department of State transfers these outlays and obligations to other R&D performers.

[13] Name changed from Urban Mass Transit Administration on December 18, 1991.

[14] Large changes in obligations reported by the Internal Revenue Service for Vol. 44 are due to the shifts in research funding.

[15] In 1989 the Federal Home Loan Bank Board was replaced by the Office of Thrift Supervision. In 1990 the Office of Thrift Supervision became part of the Department of the Treasury.

[16] Formerly listed as Office of Protective Research.

[17] Fiscal year 1994 figures are estimates based on the Vol. 43 submission.

NOTE: Data for only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal Funds Survey, refer to appendix A.

KEY: FFRDCs = Federally funded research and development centers

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1994, 1995, and 1996.

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Table C-16. Estimated Federal obligations for research, by agency and performer: fiscal year 1995

[Dollars in thousands]

Page 1 of 3

Agency and subdivision	Total	Intramural[1]	Extramural							
			United States and territories							Foreign
			Industrial firms	FFRDCs admin by industrial firms	Universities and colleges	FFRDCs admin by univs and colleges	Other nonprofit institutions	FFRDCs admin by nonprofit institutions	State and local govts	
Total, all agencies	27,803,868	7,427,491	4,062,551	704,397	10,657,041	2,212,557	2,113,535	174,464	306,436	145,396
Departments:										
Department of Agriculture, total	1,311,097	855,683	10,678	0	428,566	0	11,029	0	1,995	3,146
Agricultural Marketing Service[2]	4,141	4,141	0	0	0	0	0	0	0	0
Agricultural Research Service[3]	629,166	594,964	0	0	27,138	0	3,772	0	397	2,895
Cooperative State Research, Education, & Extension Svc[4]	418,966	23,098	10,432	0	378,152	0	6,203	0	1,081	0
Economic Research Service	53,526	51,392	0	0	2,134	0	0	0	0	0
Grain Inspection Packers & Stockyards Administration[5]	1,791	1,791	0	0	0	0	0	0	0	0
Foreign Agricultural Service[6]	1,422	1,067	0	0	355	0	0	0	0	0
Forest Service	194,900	173,300	246	0	19,532	0	1,054	0	517	251
Nat'l Agricultural Statistics Svc	3,625	3,470	0	0	155	0	0	0	0	0
Rural Business & Coop Dvlpmt Svc	3,560	2,460	0	0	1,100	0	0	0	0	0
Department of Commerce, total	993,784	600,360	295,140	0	90,650	420	1,661	0	5,291	262
Bureau of the Census	3,393	3,393	0	0	0	0	0	0	0	0
Economic Development Admin	500	127	100	0	100	0	173	0	0	0
National Institute of Standards & Technology	486,636	187,564	284,653	0	12,586	420	1,151	0	0	262
National Oceanic & Atmospheric Administration	497,276	403,297	10,387	0	77,964	0	337	0	5,291	0
National Telecommunications & Information Administration	5,979	5,979	0	0	0	0	0	0	0	0
Department of Defense, total	4,450,989	1,723,147	1,420,679	9,544	1,122,755	62,517	77,379	12,935	0	22,033
Department of the Army	894,181	581,644	197,916	4,066	90,867	3,098	10,567	628	0	5,395
Department of the Navy	917,009	384,589	236,795	95	252,426	3,247	30,892	2,026	0	6,939
Department of the Air Force	910,927	426,222	267,277	875	205,046	1,589	5,560	2,256	0	2,102
Defense agencies, total	1,728,872	330,692	718,691	4,508	574,416	54,583	30,360	8,025	0	7,597
Advanced Rsch Projects Agency	852,271	55,472	498,802	3,578	224,858	36,127	26,392	4,941	0	2,101
Ballistic Missile Defense Organization	102,019	19,442	66,554	0	8,995	5,311	17	500	0	1,200
Defense Info Systems Agency	1,426	1,426	0	0	0	0	0	0	0	0
Defense Logistics Agency	7,002	7,002	0	0	0	0	0	0	0	0
Defense Nuclear Agency	178,859	45,414	120,028	930	1,328	8,703	1,751	160	0	545
Special Operations Command	27,503	15,768	11,735	0	0	0	0	0	0	0
Washington Headquarters Svcs	559,792	186,168	21,572	0	339,235	4,442	2,200	2,424	0	3,751
Department of Education	149,164	6,673	7,993	0	98,358	0	30,511	0	5,629	0
Department of Energy	3,511,410	270,242	296,273	545,155	568,319	1,638,954	57,090	129,522	1,494	4,361
Dept of Health & Human Svcs, total	10,114,355	1,981,216	473,539	116,916	5,790,166	24,604	1,532,728	16,708	131,888	46,590
Administration on Aging[7]	2,700	171	0	0	1,100	0	1,250	0	179	0
Admin for Children & Families[7]	10,845	217	0	0	9,544	0	1,084	0	0	0
Agency for Health Care Policy & Research[8]	149,622	26,504	37,336	0	59,349	0	25,679	0	0	754
Centers for Disease Control & Prevention	216,942	166,903	6,720	0	31,366	0	10,390	64	1,499	0
Food & Drug Administration	170,428	151,428	0	0	12,000	0	7,000	0	0	0
Health Care Financing Admin	89,003	529	26,742	0	10,335	0	33,677	0	17,430	290
Health Resources & Svcs Admin	10,358	2,490	0	0	6,585	0	1,283	0	0	0
National Institutes of Health	9,395,669	1,613,474	399,596	116,916	5,655,992	24,604	1,410,317	16,644	112,580	45,546
Office of the Secretary	13,435	4,000	1,990	0	3,245	0	4,000	0	200	0
Social Security Administration[9]	55,353	15,500	1,155	0	650	0	38,048	0	0	0
Department of Housing & Urban Dvlpmt	15,194	9,510	862	0	429	0	4,393	0	0	0

See explanatory information, if any, and SOURCE at end of table.

Table C-16. Estimated Federal obligations for research, by agency and performer: fiscal year 1995

[Dollars in thousands]

Page 2 of 3

Agency and subdivision	Total	Intramural[1]	Extramural							
			United States and territories							Foreign
			Industrial firms	FFRDCs admin by industrial firms	Universities and colleges	FFRDCs admin by univs and colleges	Other nonprofit institutions	FFRDCs admin by nonprofit institutions	State and local govts	
Department of the Interior, total	641,809	562,891	18,465	130	54,478	4,757	150	0	42	896
Bureau of Mines	90,189	73,309	11,132	105	5,643	0	0	0	0	0
Bureau of Reclamation	5,612	5,387	0	0	75	0	150	0	0	0
Geological Survey	348,764	325,729	1,480	0	17,055	4,500	0	0	0	0
Minerals Management Service	20,812	6,745	4,213	25	8,744	147	0	0	42	896
National Biological Service[10]	152,154	139,661	0	0	12,493	0	0	0	0	0
National Park Service[10]	24,278	12,060	1,640	0	10,468	110	0	0	0	0
Department of Justice, total	27,467	4,487	1,479	0	4,709	0	15,480	0	1,312	0
Bureau of Prisons[11]	2,300	1,900	0	0	0	0	0	0	400	0
Drug Enforcement Administration	72	72	0	0	0	0	0	0	0	0
Immigration & Naturalization Svc	400	40	0	0	0	0	360	0	0	0
Office of Justice Programs	24,695	2,475	1,479	0	4,709	0	15,120	0	912	0
Department of Labor, total	30,533	8,521	9,655	0	10,031	0	2,077	0	249	0
Bureau of Labor Statistics	13,100	3,779	0	0	9,321	0	0	0	0	0
Employment & Training Admin	7,288	729	3,600	0	710	0	2,000	0	249	0
Occupational Safety & Health Administration	4,390	1,292	3,098	0	0	0	0	0	0	0
Office of the Secretary	2,942	1,912	953	0	0	0	77	0	0	0
Pension Benefit Guaranty Corporation	102	52	50	0	0	0	0	0	0	0
Pension & Welfare Benefit Admin	2,711	757	1,954	0	0	0	0	0	0	0
Department of State[12]	6,413	364	80	0	0	15	5,954	0	0	0
Department of Transportation, total	367,275	91,266	149,507	844	60,034	0	19,183	1,575	43,681	1,185
Coast Guard	5,397	3,659	1,238	0	500	0	0	0	0	0
Federal Aviation Administration	87,042	48,492	22,403	0	13,517	0	0	1,575	0	1,055
Federal Highway Administration	207,960	13,017	103,228	844	36,817	0	12,623	0	41,431	0
Federal Railroad Administration	21,252	6,861	11,320	0	200	0	2,771	0	0	100
Federal Transit Administration[13]	11,247	2,798	399	0	2,800	0	3,000	0	2,250	0
Maritime Administration	2,658	972	1,214	0	200	0	242	0	0	30
National Highway Traffic Safety Administration	25,927	13,508	5,872	0	6,000	0	547	0	0	0
Office of the Secretary	615	160	455	0	0	0	0	0	0	0
Research & Special Programs Administration	5,177	1,799	3,378	0	0	0	0	0	0	0
Department of the Treasury, total	36,729	33,994	820	0	1,731	184	0	0	0	0
Bureau of Engraving & Printing	1,293	1,109	0	0	0	184	0	0	0	0
Internal Revenue Service[14]	33,696	31,965	0	0	1,731	0	0	0	0	0
Office of Thrift Supervision[15]	558	558	0	0	0	0	0	0	0	0
United States Customs Service	620	120	500	0	0	0	0	0	0	0
United States Secret Service[16]	562	242	320	0	0	0	0	0	0	0
Department of Veterans Affairs	233,919	232,919	0	0	1,000	0	0	0	0	0
Other agencies:										
Advisory Commission on Intergovernmental Relations	1,327	1,327	0	0	0	0	0	0	0	0
Agency for International Dvlpmt	231,467	34,942	9,593	0	18,274	0	138,062	0	0	30,596
Appalachian Regional Commission	900	100	300	0	500	0	0	0	0	0
Environmental Protection Agency	412,969	92,044	150,254	0	64,880	0	0	0	105,791	0

See explanatory information, if any, and SOURCE at end of table.

Table C-16. Estimated Federal obligations for research, by agency and performer: fiscal year 1995

[Dollars in thousands]

Page 3 of 3

Agency and subdivision	Total	Intramural [1]	Extramural							
			United States and territories							Foreign
			Industrial firms	FFRDCs admin by industrial firms	Universities and colleges	FFRDCs admin by univs and colleges	Other nonprofit institutions	FFRDCs admin by nonprofit institutions	State and local govts	
Federal Communications Commission	2.055	2.055	0	0	0	0	0	0	0	0
Federal Trade Commission	934	934	0	0	0	0	0	0	0	0
Library of Congress	1.899	1.899	0	0	0	0	0	0	0	0
National Aeronautics & Space Admin	2,867.607	716.902	1,112.928	0	574.809	336.276	88.492	4.150	5.911	28.139
National Archives & Records Admin	120	120	0	0	0	0	0	0	0	0
National Science Foundation	2.145.369	20.731	97.489	0	1.762.700	131.863	123.490	235	3.153	5.708
Nuclear Regulatory Commission	86.026	12.861	6.063	31.808	4.652	12.967	5.856	9.339	0	2.480
Smithsonian Institution	125.150	125.150	0	0	0	0	0	0	0	0
Tennessee Valley Authority	26.370	26.370	0	0	0	0	0	0	0	0
US Arms Control & Disarmament Agency[17]	1,050	296	754	0	0	0	0	0	0	0
United States Information Agency	317	317	0	0	0	0	0	0	0	0
US International Trade Commission	10.170	10,170	0	0	0	0	0	0	0	0

[1] Includes costs associated with the administration of intramural and extramural programs by Federal personnel as well as actual intramural performance

[2] Data reported for the Agricultural Marketing Service include funds for the Office of Transportation beginning in 1989.

[3] The Human Nutrition Information Service merged with the Agricultural Research Service on February 20, 1994.

[4] The Cooperative State Research Service merged with the Extension Service on October 19, 1994, due to a reorganization within the Department of Agriculture.

[5] Name changed from Federal Grain Inspection Service on October 20, 1994

[6] The Office of International Cooperation and Development became part of the Foreign Agricultural Service (FAS) in June of 1994. Data reported for FAS include funds appropriated to International Cooperation and Development programs within FAS as of fiscal year 1995.

[7] In fiscal year 1991 Human Development Services was replaced by the Administration for Children and Families and by the Administration on Aging. Beginning in fiscal year 1992, data shown for the Administration for Children and Families are separate from obligations for the Administration on Aging.

[8] In fiscal year 1991 the Agency for Health Care Policy and Research became separate from the Office of the Assistant Secretary for Health.

[9] As of March 31, 1995, the Social Security Administration became an independent agency; it is no longer part of the Department of Health & Human Services.

[10] The National Biological Service's name changed from the National Biological Survey on January 5, 1995. As of fiscal year 1994, the National Biological Service performs all biological research activities formerly funded by the US Fish & Wildlife Service and the National Park Service.

[11] Formerly listed as Federal Prison System

[12] Increases in outlays and obligations reported by the Department of State during the Vol. 44 survey cycle reflect reporting of monies received through interagency agreements from the Agency for International Development. The Department of State transfers these outlays and obligations to other R&D performers.

[13] Name changed from Urban Mass Transit Administration on December 18, 1991

[14] Large changes in obligations reported by the Internal Revenue Service for Vol. 44 are due to the shifts in research funding.

[15] In 1989 the Federal Home Loan Bank Board was replaced by the Office of Thrift Supervision. In 1990 the Office of Thrift Supervision became part of the Department of the Treasury.

[16] Formerly listed as Office of Protective Research

[17] Fiscal year 1994 figures are estimates based on the Vol. 43 submission.

NOTE: Data for only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal Funds Survey, refer to appendix A.

KEY: FFRDCs = Federally funded research and development centers

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1994, 1995, and 1996

Table C-17. Estimated Federal obligations for research, by agency and performer: fiscal year 1996

[Dollars in thousands]

Page 1 of 3

Agency and subdivision	Total	Intra-mural[1]	Extramural							
			United States and territories							Foreign
			Industrial firms	FFRDCs admin by industrial firms	Universities and colleges	FFRDCs admin by univs and colleges	Other nonprofit institutions	FFRDCs admin by nonprofit institutions	State and local govts	
Total, all agencies	28,270,899	7,417,188	4,193,890	711,098	10,932,474	2,262,903	2,132,076	173,518	311,756	135,996
Departments										
Department of Agriculture, total	1,314,169	862,805	10,678	0	430,681	0	4,904	0	1,955	3,146
Agricultural Marketing Service[2]	4,141	4,141	0	0	0	0	0	0	0	0
Agricultural Research Service[3]	627,094	595,880	0	0	26,482	0	1,440	0	397	2,895
Cooperative State Research, Education, & Extension Svc[4]	419,437	23,572	10,432	0	381,982	0	2,410	0	1,041	0
Economic Research Service	54,665	52,490	0	0	2,175	0	0	0	0	0
Grain Inspection Packers & Stockyards Administration[5]	2,813	2,813	0	0	0	0	0	0	0	0
Foreign Agricultural Service[6]	1,422	1,067	0	0	355	0	0	0	0	0
Forest Service	198,900	177,300	246	0	19,532	0	1,054	0	517	251
Nat'l Agricultural Statistics Svc	3,697	3,542	0	0	155	0	0	0	0	0
Rural Business & Coop Dvlpmt Svc	2,000	2,000	0	0	0	0	0	0	0	0
Department of Commerce, total	1,017,032	677,099	243,193	0	87,955	420	4,647	351	3,105	262
Bureau of the Census	3,407	3,407	0	0	0	0	0	0	0	0
Economic Development Admin	1,500	350	300	0	350	0	500	0	0	0
National Institute of Standards & Technology	459,186	204,640	230,527	0	19,198	420	3,646	351	142	262
National Oceanic & Atmospheric Administration	546,416	462,179	12,366	0	68,407	0	501	0	2,963	0
National Telecommunications & Information Administration	6,523	6,523	0	0	0	0	0	0	0	0
Department of Defense, total	4,144,956	1,474,848	1,415,410	6,382	1,067,723	80,794	69,188	11,230	0	19,381
Department of the Army	683,797	452,095	125,588	1,571	96,511	1,275	3,308	150	0	3,299
Department of the Navy	882,869	373,751	227,127	95	241,652	3,447	29,777	90	0	6,930
Department of the Air Force	913,527	408,607	276,222	852	215,788	1,601	5,888	2,240	0	2,329
Defense agencies, total	1,664,763	240,395	786,473	3,864	513,772	74,471	30,215	8,750	0	6,823
Advanced Rsch Projects Agency	890,173	57,864	520,774	3,744	235,122	37,715	27,575	5,182	0	2,197
Ballistic Missile Defense Organization	111,456	20,147	71,355	0	12,813	5,427	0	414	0	1,300
Defense Info Systems Agency	1,820	1,820	0	0	0	0	0	0	0	0
Defense Logistics Agency	8,389	8,389	0	0	0	0	0	0	0	0
Defense Nuclear Agency	218,933	42,128	161,210	120	1,046	12,469	918	280	0	762
Special Operations Command	20,926	11,997	8,929	0	0	0	0	0	0	0
Washington Headquarters Svcs	413,066	98,050	24,205	0	264,791	18,860	1,722	2,874	0	2,564
Department of Education	147,993	6,916	7,818	0	101,336	0	26,294	0	5,629	0
Department of Energy	3,557,724	288,448	284,172	543,099	551,502	1,700,517	54,581	129,889	1,255	4,261
Dept of Health & Human Svcs, total	10,419,666	2,029,584	482,381	121,224	6,017,189	25,510	1,547,470	17,336	130,753	48,219
Administration on Aging[7]	3,200	171	0	0	1,500	0	1,350	0	179	0
Admin for Children & Families[7]	10,661	213	0	0	9,382	0	1,066	0	0	0
Agency for Health Care Policy & Research[8]	178,024	28,908	31,151	0	71,996	0	45,294	0	0	675
Centers for Disease Control & Prevention	217,128	167,089	6,720	0	31,366	0	10,390	64	1,499	0
Food & Drug Administration	171,823	152,823	0	0	12,000	0	7,000	0	0	0
Health Care Financing Admin	64,500	645	27,280	0	8,160	0	16,320	0	11,780	315
Health Resources & Svcs Admin	10,270	2,502	0	0	6,485	0	1,283	0	0	0
National Institutes of Health	9,751,782	1,673,233	414,730	121,224	5,873,300	25,510	1,462,489	17,272	116,795	47,229
Office of the Secretary	12,278	4,000	2,500	0	3,000	0	2,278	0	500	0
Department of Housing & Urban Dvlpmt	15,316	9,091	1,216	0	379	0	4,630	0	0	0

See explanatory information, if any, and SOURCE at end of table.

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Table C-17. Estimated Federal obligations for research, by agency and performer: fiscal year 1996

[Dollars in thousands]

Page 2 of 3

Agency and subdivision	Total	Intramural[1]	Extramural							
			United States and territories							Foreign
			Industrial firms	FFRDCs admin by industrial firms	Universities and colleges	FFRDCs admin by univs and colleges	Other nonprofit institutions	FFRDCs admin by nonprofit institutions	State and local govts	
Department of the Interior, total	639.841	565.967	15.595	70	49.083	8.195	45	0	86	800
Bureau of Mines	73.994	63.919	10.075	0	0	0	0	0	0	0
Bureau of Reclamation	5.662	5.587	0	0	75	0	0	0	0	0
Geological Survey	357.835	335.620	1.480	0	12.735	8.000	0	0	0	0
Minerals Management Service	22.662	7.345	2.640	70	11.601	120	0	0	86	800
National Biological Service[9]	156.345	142.156	0	0	14.189	0	0	0	0	0
National Park Service[9]	23.343	11.340	1.400	0	10.483	75	45	0	0	0
Department of Justice, total	29.413	2.713	2.336	0	3.755	0	19.359	0	1.250	0
Bureau of Prisons[10]	2.300	1.900	0	0	0	0	0	0	400	0
Drug Enforcement Administration	48	48	0	0	0	0	0	0	0	0
Immigration & Naturalization Svc	400	40	0	0	0	0	360	0	0	0
Office of Justice Programs	26.665	725	2.336	0	3.755	0	18.999	0	850	0
Department of Labor, total	35.306	8.590	12.800	0	9.400	0	4.266	0	250	0
Bureau of Labor Statistics	13.300	4.100	0	0	9.200	0	0	0	0	0
Employment & Training Admin	12.134	399	7.071	0	200	0	4.214	0	250	0
Occupational Safety & Health Administration	4.423	1.325	3.098	0	0	0	0	0	0	0
Office of the Secretary	2.613	1.941	620	0	0	0	52	0	0	0
Pension Benefit Guaranty Corporation	53	53	0	0	0	0	0	0	0	0
Pension & Welfare Benefit Admin	2.783	772	2.011	0	0	0	0	0	0	0
Department of State[11]	5.411	379	80	0	15	30	4.907	0	0	0
Department of Transportation, total	313.212	94.546	111.142	9.887	39.369	2.025	20.739	1.534	32.843	1.127
Coast Guard	5.493	3.744	1.149	0	600	0	0	0	0	0
Federal Aviation Administration	78.048	39.731	21.820	0	13.165	771	0	1.534	0	1.027
Federal Railroad Administration	16.242	7.250	2.542	0	475	0	5.875	0	0	100
Infrastructure Investment[12]	182.253	30.709	74.640	9.887	18.929	1.254	13.991	0	32.843	0
Maritime Administration	4.977	1.315	3.236	0	100	0	326	0	0	0
National Highway Traffic Safety Administration	20.151	10.005	3.599	0	6.000	0	547	0	0	0
Office of the Secretary	642	165	377	0	100	0	0	0	0	0
Research & Special Programs Administration	5.406	1.627	3.779	0	0	0	0	0	0	0
Department of the Treasury, total	37.824	35.590	900	0	1.132	202	0	0	0	0
Bureau of Engraving & Printing	2.201	1.999	0	0	0	202	0	0	0	0
Internal Revenue Service[13]	33.696	32.564	0	0	1.132	0	0	0	0	0
Office of Thrift Supervision[14]	654	654	0	0	0	0	0	0	0	0
United States Customs Service	700	120	580	0	0	0	0	0	0	0
United States Secret Service[13]	573	253	320	0	0	0	0	0	0	0
Department of Veterans Affairs	231.500	230.650	0	0	850	0	0	0	0	0
Other agencies										
Advisory Commission on Intergovernmental Relations	1.482	1.482	0	0	0	0	0	0	0	0
Agency for International Dvlpmt	191.981	21.796	10.821	0	14.034	0	123.062	0	0	22.268
Appalachian Regional Commission	900	100	300	0	500	0	0	0	0	0
Environmental Protection Agency	491.343	109.512	178.825	0	77.437	0	0	0	125.569	0

See explanatory information, if any, and SOURCE at end of table.

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Table C-17. Estimated Federal obligations for research, by agency and performer: fiscal year 1996

[Dollars in thousands]

Page 3 of 3

Agency and subdivision	Total	Intramural[1]	Extramural							
			United States and territories							
			Industrial firms	FFRDCs admin by industrial firms	Universities and colleges	FFRDCs admin by univs and colleges	Other nonprofit institutions	FFRDCs admin by nonprofit institutions	State and local govts	Foreign
Federal Communications Commission	1,804	1,804	0	0	0	0	0	0	0	0
Federal Trade Commission	982	982	0	0	0	0	0	0	0	0
Library of Congress	1,907	1,907	0	0	0	0	0	0	0	0
National Aeronautics & Space Admin	3,076,489	769,122	1,303,441	0	574,809	296,415	94,938	4,089	5,846	27,829
National Archives & Records Admin	120	120	0	0	0	0	0	0	0	0
National Science Foundation	2,303,056	22,625	103,683	0	1,900,190	138,009	128,976	235	3,215	6,123
Nuclear Regulatory Commission	81,787	12,816	5,988	30,436	4,685	10,786	5,642	8,854	0	2,580
Smithsonian Institution	129,150	129,150	0	0	0	0	0	0	0	0
Social Security Administration[16]	37,235	16,000	2,357	0	450	0	18,429	0	0	0
Tennessee Valley Authority	31,130	31,130	0	0	0	0	0	0	0	0
US Arms Control & Disarmament Agency[17]	1,050	296	754	0	0	0	0	0	0	0
United States Information Agency	300	300	0	0	0	0	0	0	0	0
US International Trade Commission	10,820	10,820	0	0	0	0	0	0	0	0

[1] Includes costs associated with the administration of intramural and extramural programs by Federal personnel as well as actual intramural performance.

[2] Data reported for the Agricultural Marketing Service include funds for the Office of Transportation beginning in 1989.

[3] The Human Nutrition Information Service merged with the Agricultural Research Service on February 20, 1994.

[4] The Cooperative State Research Service merged with the Extension Service on October 19, 1994, due to a reorganization within the Department of Agriculture.

[5] Name changed from Federal Grain Inspection Service on October 20, 1994.

[6] The Office of International Cooperation and Development became part of the Foreign Agricultural Service (FAS) in June of 1994. Data reported for FAS include funds appropriated to International Cooperation and Development programs within FAS as of fiscal year 1995.

[7] In fiscal year 1991 Human Development Services was replaced by the Administration for Children and Families and by the Administration on Aging. Beginning in fiscal year 1992, data shown for the Administration for Children and Families are separate from obligations for the Administration on Aging.

[8] In fiscal year 1991 the Agency for Health Care Policy and Research became separate from the Office of the Assistant Secretary for Health.

[9] The National Biological Service's name changed from the National Biological Survey on January 5, 1995. As of fiscal year 1994, the National Biological Service performs all biological research activities formerly funded by the US Fish & Wildlife Service and the National Park Service.

[10] Formerly listed as Federal Prison System.

[11] Increases in outlays and obligations reported by the Department of State during the Vol. 44 survey cycle reflect reporting of monies received through interagency agreements from the Agency for International Development. The Department of State transfers these outlays and obligations to other R&D performers.

[12] Monies estimated for fiscal year 1996 by infrastructure investment represent a proposed consolidation of several agencies within the Department of Transportation.

[13] Large changes in obligations reported by the Internal Revenue Service for Vol. 44 are due to the shifts in research funding.

[14] In 1989 the Federal Home Loan Bank Board was replaced by the Office of Thrift Supervision. In 1990 the Office of Thrift Supervision became part of the Department of the Treasury.

[15] Formerly listed as Office of Protective Research.

[16] As of March 31, 1995, the Social Security Administration became an independent agency. It is no longer part of the Department of Health & Human Services.

[17] Fiscal year 1994 figures are estimates based on the Vol. 43 submission.

NOTE: Data for only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal Funds Survey, refer to appendix A.

KEY: FFRDCs = Federally funded research and development centers.

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1994, 1995, and 1996.

Table C-18. Federal obligations for research, by detailed field of science and engineering: fiscal years 1994, 1995, and 1996

[Dollars in thousands]

Page 1 of 1

Field of science and engineering	1994	Estimates	
		1995	1996
Total, all fields	27,440,352	27,803,868	28,270,899
Life sciences, total	11,078,750	11,400,922	11,662,854
Biological (excluding environmental)	4,589,569	4,744,074	4,925,421
Environmental biology	601,340	616,082	639,947
Agricultural	790,350	787,838	763,284
Medical	4,741,292	4,921,369	4,998,714
Life sciences, n.e.c.	356,199	331,559	335,488
Psychology, total	550,221	581,797	584,514
Biological aspects	46,920	57,664	50,741
Social aspects	116,691	121,645	116,020
Psychological sciences, n.e.c.	386,610	402,488	417,753
Physical sciences, total	6,792,699	5,988,193	6,252,974
Astronomy	3,539,347	2,542,846	2,770,584
Chemistry	830,818	866,612	859,439
Physics	2,231,239	2,379,420	2,434,429
Physical sciences, n.e.c.	191,295	199,315	188,522
Environmental sciences, total	2,031,970	1,941,104	2,054,634
Atmospheric	584,291	573,420	611,468
Geological	668,718	640,309	675,728
Oceanography	384,221	353,325	380,937
Environmental sciences, n.e.c.	394,740	374,050	386,501
Mathematics & computer sciences, total	1,242,278	1,498,673	1,564,829
Mathematics	339,033	357,815	362,269
Computer sciences	803,280	1,029,090	1,097,657
Mathematics & computer sciences, n.e.c.	99,965	111,768	104,903
Engineering, total	4,023,272	4,536,886	4,290,782
Aeronautical	221,293	237,398	232,247
Astronautical	90,543	120,065	108,157
Chemical	234,654	322,066	296,727
Civil	297,495	355,115	327,979
Electrical	699,025	761,208	730,707
Mechanical	360,543	408,069	400,952
Metallurgy & materials	810,636	839,143	868,771
Engineering, n.e.c.	1,309,083	1,493,822	1,325,242
Social sciences, total	655,037	740,768	740,703
Anthropology	16,855	17,470	17,168
Economics	195,270	210,236	215,858
Political science	28,512	25,721	25,975
Sociology	69,140	73,527	78,182
Social sciences, n.e.c.	345,260	413,814	403,520
Other sciences, n.e.c.	1,066,125	1,115,525	1,119,609

NOTE: Data for only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal Funds Survey, refer to appendix A.

KEY: n.e.c. = Not elsewhere classified

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1994, 1995, and 1996

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Table C-19. Federal obligations for research, by agency and field of science and engineering: fiscal year 1994

[Dollars in thousands]

Agency and subdivision	Total	Life sciences	Psy-chology	Physical sciences	Environ-mental sciences	Mathe-matics and com-puter sciences	Engi-neering	Social sciences	Other sciences n.e.c.
Total, all agencies	27,440,352	11,078,750	550,221	6,792,699	2,031,970	1,242,278	4,023,272	655,037	1,066,125
Departments									
Department of Agriculture, total	1,322,188	1,000,297	452	94,996	12,327	17,878	65,625	126,827	3,786
Agricultural Cooperative Service	3,734	0	0	0	0	0	0	3,734	0
Agricultural Marketing Service[1]	4,231	4,231	0	0	0	0	0	0	0
Agricultural Research Service[2]	624,378	552,247	0	57,064	3,710	2,796	8,561	0	0
Cooperative State Research, Education, & Extension Svc[3]	428,995	319,845	0	30,514	2,484	0	24,176	51,976	0
Economic Research Service	55,219	0	0	0	0	0	0	55,219	0
Grain Inspection Packers & Stockyards Administration[4]	1,791	1,791	0	0	0	0	0	0	0
Foreign Agricultural Service[5]	775	775	0	0	0	0	0	0	0
Forest Service	189,800	114,416	452	7,418	6,133	11,221	32,888	13,486	3,786
Human Nutrition Information Svc[2]	6,992	6,992	0	0	0	0	0	0	0
Nat'l Agricultural Statistics Svc	3,861	0	0	0	0	3,861	0	0	0
Rural Business & Coop Dvlpmt Svc	2,412	0	0	0	0	0	0	2,412	0
Department of Commerce, total	718,280	111,275	280	97,277	302,109	49,047	108,426	16,777	33,089
Bureau of the Census	2,842	0	280	0	0	1,847	0	653	62
Economic Development Admin	605	0	0	0	0	0	0	605	0
National Institute of Standards & Technology	207,298	3,518	0	75,989	518	31,648	95,306	319	0
National Oceanic & Atmospheric Administration	502,698	107,757	0	21,288	301,591	15,552	8,283	15,200	33,027
National Telecommunications & Information Administration	4,837	0	0	0	0	0	4,837	0	0
Department of Defense, total	4,262,208	377,988	83,629	599,135	281,474	593,188	2,165,662	2,511	158,621
Department of the Army	852,574	158,305	23,565	99,918	42,930	78,345	441,791	2,356	5,364
Department of the Navy	847,127	49,917	29,880	195,548	127,710	53,184	377,053	0	13,835
Department of the Air Force	814,301	67,699	18,512	179,904	49,115	96,933	397,956	0	4,182
Defense agencies, total	1,748,206	102,067	11,672	123,765	61,719	364,726	948,862	155	135,240
Advanced Rsch Projects Agency	929,027	1,217	0	14,914	26,620	325,373	555,474	0	5,429
Ballistic Missile Defense Organization	100,607	0	0	33,663	7,277	6,375	53,292	0	0
Defense Info Systems Agency	1,940	0	0	0	0	0	0	0	1,940
Defense Logistics Agency	8,897	0	8,897	0	0	0	0	0	0
Defense Nuclear Agency	232,655	4,724	0	38,685	13,082	3,029	78,115	0	95,020
Special Operations Command	33,347	1,482	0	0	0	0	31,221	0	644
Uniformed Svcs University of the Health Sciences	848	848	0	0	0	0	0	0	0
Washington Headquarters Svcs	440,885	93,796	2,775	36,503	14,740	29,949	230,760	155	32,207
Department of Education	136,754	14,357	3,724	0	0	1,423	6,472	110,778	0
Department of Energy	3,282,466	255,196	0	1,809,158	303,852	201,777	665,052	932	46,499
Dept of Health & Human Svcs, total	9,736,441	8,279,475	383,386	156,351	0	62,210	107,022	173,889	574,108
Administration on Aging[6]	3,500	0	0	0	0	0	0	3,500	0
Admin for Children & Families[6]	10,436	0	0	0	0	0	0	10,436	0
Agency for Health Care Policy & Research[7]	142,036	49,274	349	0	0	12,975	0	34,097	45,341
Centers for Disease Control & Prevention	206,800	206,800	0	0	0	0	0	0	0
Food & Drug Administration	169,433	169,433	0	0	0	0	0	0	0
Health Care Financing Admin	79,959	79,959	0	0	0	0	0	0	0
Health Resources & Svcs Admin	10,581	10,581	0	0	0	0	0	0	0
National Institutes of Health	9,079,728	7,763,428	383,037	156,351	0	49,235	107,022	91,888	528,767
Office of the Secretary	11,741	0	0	0	0	0	0	11,741	0
Social Security Administration[8]	22,227	0	0	0	0	0	0	22,227	0
Department of Housing & Urban Dvlpmt	13,713	0	0	0	17	177	828	12,255	436

See explanatory information, if any, and SOURCE at end of table.

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Table C-19. Federal obligations for research, by agency and field of science and engineering: fiscal year 1994

[Dollars in thousands]

Agency and subdivision	Total	Life sciences	Psychology	Physical sciences	Environmental sciences	Mathematics and computer sciences	Engineering	Social sciences	Other sciences, n.e.c.
Department of the Interior, total	650.150	159.701	0	38.007	311.900	18.296	108.553	12.589	1.104
Bureau of Mines	95.374	0	0	0	8.838	0	86.536	0	0
Bureau of Reclamation	5.545	0	0	0	0	0	5.545	0	0
Geological Survey	355.370	2.783	0	37.337	287.580	16.353	10.987	330	0
Minerals Management Service	20.568	52	0	0	12.364	1.419	5.114	1.158	461
National Biological Service[9]	149.049	149.049	0	0	0	0	0	0	0
National Park Service[9]	24.244	7.817	0	670	3.118	524	371	11.101	643
Department of Justice, total	25.855	0	1.336	0	0	0	400	21.430	2.689
Bureau of Prisons[10]	2.100	0	450	0	0	0	0	1.650	0
Drug Enforcement Administration	72	0	0	0	0	0	0	0	72
Immigration & Naturalization Svc	400	0	0	0	0	0	400	0	0
Office of Justice Programs	23.283	0	886	0	0	0	0	19.780	2.617
Department of Labor, total	19.569	0	0	0	0	0	0	19.569	0
Bureau of Labor Statistics	7.100	0	0	0	0	0	0	7.100	0
Employment & Training Admin	3.093	0	0	0	0	0	0	3.093	0
Occupational Safety & Health Administration	3.310	0	0	0	0	0	0	3.310	0
Office of the Secretary	3.090	0	0	0	0	0	0	3.090	0
Pension Benefit Guaranty Corporation	301	0	0	0	0	0	0	301	0
Pension & Welfare Benefit Admin	2.675	0	0	0	0	0	0	2.675	0
Department of State[11]	8.238	0	0	0	0	0	0	8.238	0
Department of Transportation, total	273.387	7.348	28.724	3.140	5.706	25.558	185.934	11.587	5.390
Coast Guard	5.582	0	640	0	660	1.435	2.847	0	0
Federal Aviation Administration	79.473	4.387	27.111	2.640	1.456	0	42.369	0	1.510
Federal Highway Administration	134.192	1.576	973	0	2.965	16.944	103.850	4.004	3.880
Federal Railroad Administration	16.050	0	0	500	600	0	14.650	300	0
Federal Transit Administration[12]	7.812	0	0	0	0	625	4.572	2.615	0
Maritime Administration	1.744	0	0	0	0	0	1.744	0	0
National Highway Traffic Safety Administration	25.315	1.385	0	0	0	5.904	13.658	4.368	0
Office of the Secretary	570	0	0	0	25	0	545	0	0
Research & Special Programs Administration	2.649	0	0	0	0	650	1.699	300	0
Department of the Treasury, total	9.182	344	355	1.868	0	6.134	0	481	0
Bureau of Engraving & Printing	1.628	0	0	1.628	0	0	0	0	0
Internal Revenue Service[13]	6.134	0	0	0	0	6.134	0	0	0
Office of Thrift Supervision[14]	481	0	0	0	0	0	0	481	0
United States Customs Service	480	240	0	240	0	0	0	0	0
United States Secret Service[15]	459	104	355	0	0	0	0	0	0
Department of Veterans Affairs	223.479	209.215	14.073	0	0	0	191	0	0

See explanatory information, if any, and SOURCE at end of table.

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Table C-19. Federal obligations for research, by agency and field of science and engineering: fiscal year 1994

[Dollars in thousands]

Page 3 of 3

Agency and subdivision	Total	Life sciences	Psy-chology	Physical sciences	Environ-mental sciences	Mathe-matics and com-puter sciences	Engi-neering	Social sciences	Other sciences, n.e.c.
Other agencies									
Advisory Commission on Intergovernmental Relations	1,355	0	0	0	0	0	0	1,355	0
Agency for International Dvlpmt	216,213	151,463	0	0	742	1,784	564	23,907	37,753
Appalachian Regional Commission	900	0	0	0	0	0	0	900	0
Consumer Product Safety Commission	130	0	0	130	0	0	0	0	0
Environmental Protection Agency	402,322	101,761	0	0	244,589	0	55,972	0	0
Federal Communications Commission	1,683	0	0	55	0	123	1,057	448	0
Federal Trade Commission	705	0	0	0	0	0	0	705	0
Library of Congress	1,900	0	0	0	0	0	0	0	1,900
National Aeronautics & Space Admin	3,840,559	37,013	18,504	3,484,904	127,355	25,668	112,486	162	34,467
National Archives & Records Admin	280	0	0	280	0	0	0	0	0
National Science Foundation	2,040,358	314,211	15,758	466,325	435,260	238,584	345,353	65,714	159,153
Nuclear Regulatory Commission	90,705	0	0	0	0	0	90,705	0	0
Smithsonian Institution	124,176	48,457	0	34,580	5,610	0	0	33,893	1,636
Tennessee Valley Authority	25,910	10,570	0	5,968	977	0	2,411	490	5,494
US Arms Control & Disarmament Agency[16]	1,323	79	0	525	52	431	0	236	0
United States Information Agency	559	0	0	0	0	0	559	0	0
US International Trade Commission	9,364	0	0	0	0	0	0	9,364	0

[1] Data reported for the Agricultural Marketing Service include funds for the Office of Transportation beginning in 1989.

[2] The Human Nutrition Information Service merged with the Agricultural Research Service on February 20, 1994.

[3] The Cooperative State Research Service merged with the Extension Service on October 19, 1994, due to a reorganization within the Department of Agriculture.

[4] Name changed from Federal Grain Inspection Service on October 20, 1994.

[5] The Office of International Cooperation and Development became part of the Foreign Agricultural Service (FAS) in June of 1994. Data reported for FAS include funds appropriated to International Cooperation and Development programs within FAS as of fiscal year 1995.

[6] In fiscal year 1991 Human Development Services was replaced by the Administration for Children and Families and by the Administration on Aging. Beginning in fiscal year 1992, data shown for the Administration for Children and Families are separate from obligations for the Administration on Aging.

[7] In fiscal year 1991 the Agency for Health Care Policy and Research became separate from the Office of the Assistant Secretary for Health.

[8] As of March 31, 1995, the Social Security Administration became an independent agency; it is no longer part of the Department of Health & Human Services.

[9] The National Biological Service's name changed from the National Biological Survey on January 5, 1995. As of fiscal year 1994, the National Biological Service performs all biological research activities formerly funded by the US Fish & Wildlife Service and the National Park Service.

[10] Formerly listed as Federal Prison System.

[11] Increases in outlays and obligations reported by the Department of State during the Vol. 44 survey cycle reflect reporting of monies received through interagency agreements from the Agency for International Development. The Department of State transfers these outlays and obligations to other R&D performers.

[12] Name changed from Urban Mass Transit Administration on December 18, 1991.

[13] Large changes in obligations reported by the Internal Revenue Service for Vol. 44 are due to the shifts in research funding.

[14] In 1989 the Federal Home Loan Bank Board was replaced by the Office of Thrift Supervision. In 1990 the Office of Thrift Supervision became part of the Department of the Treasury.

[15] Formerly listed as Office of Protective Research.

[16] Fiscal year 1994 figures are estimates based on the Vol. 43 submission.

NOTE: Data for only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal Funds Survey, refer to appendix A.

KEY: n.e.c. = Not elsewhere classified

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1994, 1995, and 1996

Table C-20. Estimated Federal obligations for research, by agency and field of science and engineering: fiscal year 1995

[Dollars in thousands]

Page 1 of 3

Agency and subdivision	Total	Life sciences	Psy-chology	Physical sciences	Environ-mental sciences	Mathe-matics and com-puter sciences	Engi-neering	Social sciences	Other sciences, n.e.c.
Total, all agencies	27,803,868	11,400,922	581,797	5,988,193	1,941,104	1,498,673	4,536,886	740,768	1,115,525
Departments									
Department of Agriculture, total	1,311,097	996,682	464	91,882	12,954	17,829	66,653	120,747	3,886
Agricultural Marketing Service[1]	4,141	4,141	0	0	0	0	0	0	0
Agricultural Research Service[2]	629,166	557,244	0	55,291	4,306	2,687	9,638	0	0
Cooperative State Research, Education, & Extension Svc[3]	418,966	314,582	0	28,970	2,351	0	23,248	49,815	0
Economic Research Service	53,526	0	0	0	0	0	0	53,526	0
Grain Inspection Packers & Stockyards Administration[4]	1,791	1,791	0	0	0	0	0	0	0
Foreign Agricultural Service[5]	1,422	1,422	0	0	0	0	0	0	0
Forest Service	194,900	117,502	464	7,621	6,297	11,517	33,767	13,846	3,886
Nat'l Agricultural Statistics Svc	3,625	0	0	0	0	3,625	0	0	0
Rural Business & Coop Dvlpmt Svc	3,560	0	0	0	0	0	0	3,560	0
Department of Commerce, total	993,784	122,907	333	104,991	275,238	191,549	242,399	18,888	37,479
Bureau of the Census	3,393	0	333	0	0	2,205	0	781	74
Economic Development Admin	500	0	0	0	0	0	0	500	0
National Institute of Standards & Technology	486,636	2,780	0	83,360	498	172,787	226,965	246	0
National Oceanic & Atmospheric Administration	497,276	120,127	0	21,631	274,740	16,557	9,455	17,361	37,405
National Telecommunications & Information Administration	5,979	0	0	0	0	0	5,979	0	0
Department of Defense, total	4,450,989	352,142	100,251	643,143	274,981	641,161	2,295,980	2,137	141,194
Department of the Army	894,181	163,894	15,135	91,559	49,249	96,191	469,269	1,693	7,191
Department of the Navy	917,009	55,163	33,575	211,790	118,185	61,944	421,062	0	15,290
Department of the Air Force	910,927	58,903	39,559	222,890	35,616	86,358	462,812	0	4,789
Defense agencies, total	1,728,872	74,182	11,982	116,904	71,931	396,668	942,837	444	113,924
Advanced Rsch Projects Agency	852,271	0	0	7,998	25,088	330,588	483,906	0	4,691
Ballistic Missile Defense Organization	102,019	0	0	24,976	7,377	13,517	52,968	0	3,181
Defense Info Systems Agency	1,426	0	0	0	0	0	0	0	1,426
Defense Logistics Agency	7,002	0	7,002	0	0	0	0	0	0
Defense Nuclear Agency	178,859	3,717	0	28,097	7,353	2,271	67,647	0	69,774
Special Operations Command	27,503	839	0	0	0	0	25,973	0	691
Washington Headquarters Svcs	559,792	69,626	4,980	55,833	32,113	50,292	312,343	444	34,161
Department of Education	149,164	13,627	3,586	0	0	1,182	5,665	125,104	0
Department of Energy	3,511,410	273,186	0	1,914,325	299,561	215,322	755,677	1,296	52,043
Dept of Health & Human Svcs, total	10,114,355	8,573,153	396,806	161,758	0	64,915	110,744	214,078	592,901
Administration on Aging[6]	2,700	0	0	0	0	0	0	2,700	0
Admin for Children & Families[6]	10,845	0	0	0	0	0	0	10,845	0
Agency for Health Care Policy & Research[7]	149,622	53,001	375	0	0	13,957	0	36,646	45,643
Centers for Disease Control & Prevention	216,942	216,942	0	0	0	0	0	0	0
Food & Drug Administration	170,428	170,428	0	0	0	0	0	0	0
Health Care Financing Admin	89,003	89,003	0	0	0	0	0	0	0
Health Resources & Svcs Admin	10,358	10,358	0	0	0	0	0	0	0
National Institutes of Health	9,395,669	8,033,421	396,431	161,758	0	50,958	110,744	95,099	547,258
Office of the Secretary	13,435	0	0	0	0	0	0	13,435	0
Social Security Administration[8]	55,353	0	0	0	0	0	0	55,353	0
Department of Housing & Urban Dvlpmt	15,194	0	0	0	222	123	586	12,839	1,424

See explanatory information, if any, and SOURCE at end of table.

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Table C-20. Estimated Federal obligations for research, by agency and field of science and engineering: fiscal year 1995

[Dollars in thousands]

Page 2 of 3

Agency and subdivision	Total	Life sciences	Psychology	Physical sciences	Environmental sciences	Mathematics and computer sciences	Engineering	Social sciences	Other sciences, n.e.c.
Department of the Interior, total	641,809	162,890	0	38,805	306,135	17,805	101,627	13,423	1,124
Bureau of Mines	90,189	0	0	0	9,844	0	80,345	0	0
Bureau of Reclamation	5,612	0	0	0	0	0	5,612	0	0
Geological Survey	348,764	2,877	0	38,135	278,930	17,123	11,329	370	0
Minerals Management Service	20,812	36	0	0	14,243	158	3,970	1,924	481
National Biological Service[9]	152,154	152,154	0	0	0	0	0	0	0
National Park Service[9]	24,278	7,823	0	670	3,118	524	371	11,129	643
Department of Justice, total	27,467	0	1,525	0	0	0	400	23,570	1,972
Bureau of Prisons[10]	2,300	0	475	0	0	0	0	1,825	0
Drug Enforcement Administration	72	0	0	0	0	0	0	0	72
Immigration & Naturalization Svc	400	0	0	0	0	0	400	0	0
Office of Justice Programs	24,695	0	1,050	0	0	0	0	21,745	1,900
Department of Labor, total	30,533	0	0	0	0	0	0	30,533	0
Bureau of Labor Statistics	13,100	0	0	0	0	0	0	13,100	0
Employment & Training Admin	7,288	0	0	0	0	0	0	7,288	0
Occupational Safety & Health Administration	4,390	0	0	0	0	0	0	4,390	0
Office of the Secretary	2,942	0	0	0	0	0	0	2,942	0
Pension Benefit Guaranty Corporation	102	0	0	0	0	0	0	102	0
Pension & Welfare Benefit Admin	2,711	0	0	0	0	0	0	2,711	0
Department of State[11]	6,413	0	0	0	0	0	0	6,413	0
Department of Transportation, total	367,275	11,088	30,685	1,500	7,753	36,483	258,596	13,385	7,785
Coast Guard	5,397	0	675	0	690	1,318	2,714	0	0
Federal Aviation Administration	87,042	5,599	28,648	1,000	1,540	0	48,955	0	1,300
Federal Highway Administration	207,960	2,473	1,362	0	5,178	26,459	161,278	4,725	6,485
Federal Railroad Administration	21,252	0	0	500	200	0	20,552	0	0
Federal Transit Administration[12]	11,247	0	0	0	115	1,633	5,040	4,459	0
Maritime Administration	2,658	0	0	0	0	0	2,658	0	0
National Highway Traffic Safety Administration	25,927	3,016	0	0	0	4,918	14,260	3,733	0
Office of the Secretary	615	0	0	0	30	0	585	0	0
Research & Special Programs Administration	5,177	0	0	0	0	2,155	2,554	468	0
Department of the Treasury, total	36,729	520	402	1,261	0	33,956	32	558	0
Bureau of Engraving & Printing	1,293	0	0	1,261	0	0	32	0	0
Internal Revenue Service[13]	33,696	0	0	0	0	33,696	0	0	0
Office of Thrift Supervision[14]	558	0	0	0	0	0	0	558	0
United States Customs Service	620	360	0	0	0	260	0	0	0
United States Secret Service[15]	562	160	402	0	0	0	0	0	0
Department of Veterans Affairs	233,919	218,286	15,442	0	0	0	191	0	0

See explanatory information, if any, and SOURCE at end of table.

Table C-20. Estimated Federal obligations for research, by agency and field of science and engineering: fiscal year 1995

[Dollars in thousands]

Page 3 of 3

Agency and subdivision	Total	Life sciences	Psychology	Physical sciences	Environmental sciences	Mathematics and computer sciences	Engineering	Social sciences	Other sciences, n.e.c.
Other agencies:									
Advisory Commission on Intergovernmental Relations	1,327	0	0	0	0	0	0	1,327	0
Agency for International Dvlpmt	231,467	135,316	0	0	3,530	0	320	32,943	59,358
Appalachian Regional Commission	900	0	0	0	0	0	0	900	0
Environmental Protection Agency	412,969	114,165	0	0	176,727	0	122,077	0	0
Federal Communications Commission	2,055	0	0	80	0	128	1,444	403	0
Federal Trade Commission	934	0	0	0	0	0	0	934	0
Library of Congress	1,899	0	0	0	0	0	0	0	1,899
National Aeronautics & Space Admin	2,867,607	38,308	14,808	2,506,508	131,812	23,908	116,421	168	35,674
National Archives & Records Admin	120	0	0	120	0	0	0	0	0
National Science Foundation	2,145,369	328,715	17,495	483,712	445,505	253,718	369,406	75,947	170,871
Nuclear Regulatory Commission	86,026	0	0	0	0	0	86,026	0	0
Smithsonian Institution	125,150	49,291	0	34,040	5,744	0	0	34,404	1,671
Tennessee Valley Authority	26,370	10,599	0	5,785	942	0	2,325	475	6,244
US Arms Control & Disarmament Agency[16]	1,050	47	0	283	0	594	0	126	0
United States Information Agency	317	0	0	0	0	0	317	0	0
US International Trade Commission	10,170	0	0	0	0	0	0	10,170	0

[1] Data reported for the Agricultural Marketing Service include funds for the Office of Transportation beginning in 1989.

[2] The Human Nutrition Information Service merged with the Agricultural Research Service on February 20, 1994.

[3] The Cooperative State Research Service merged with the Extension Service on October 19, 1994, due to a reorganization within the Department of Agriculture.

[4] Name changed from Federal Grain Inspection Service on October 20, 1994.

[5] The Office of International Cooperation and Development became part of the Foreign Agricultural Service (FAS) in June of 1994. Data reported for FAS include funds appropriated to International Cooperation and Development programs within FAS as of fiscal year 1995.

[6] In fiscal year 1991 Human Development Services was replaced by the Administration for Children and Families and by the Administration on Aging. Beginning in fiscal year 1992, data shown for the Administration for Children and Families are separate from obligations for the Administration on Aging.

[7] In fiscal year 1991 the Agency for Health Care Policy and Research became separate from the Office of the Assistant Secretary for Health.

[8] As of March 31, 1995, the Social Security Administration became an independent agency; it is no longer part of the Department of Health & Human Services.

[9] The National Biological Service's name changed from the National Biological Survey on January 5, 1995. As of fiscal year 1994, the National Biological Service performs all biological research activities formerly funded by the US Fish & Wildlife Service and the National Park Service.

[10] Formerly listed as Federal Prison System.

[11] Increases in outlays and obligations reported by the Department of State during the Vol. 44 survey cycle reflect reporting of monies received through interagency agreements from the Agency for International Development. The Department of State transfers these outlays and obligations to other R&D performers.

[12] Name changed from Urban Mass Transit Administration on December 18, 1991.

[13] Large changes in obligations reported by the Internal Revenue Service for Vol. 44 are due to the shifts in research funding.

[14] In 1989 the Federal Home Loan Bank Board was replaced by the Office of Thrift Supervision. In 1990 the Office of Thrift Supervision became part of the Department of the Treasury.

[15] Formerly listed as Office of Protective Research.

[16] Fiscal year 1994 figures are estimates based on the Vol. 43 submission.

NOTE: Data for only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal Funds Survey, refer to appendix A.

KEY: n.e.c. = Not elsewhere classified

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1994, 1995, and 1996

Table C-21. Estimated Federal obligations for research, by agency and field of science and engineering: fiscal year 1996

[Dollars in thousands]

Page 1 of 3

Agency and subdivision	Total	Life sciences	Psychology	Physical sciences	Environmental sciences	Mathematics and computer sciences	Engineering	Social sciences	Other sciences, n.e.c.
Total, all agencies	28,270,899	11,662,854	584,514	6,252,974	2,054,634	1,564,829	4,290,782	740,703	1,119,609
Departments									
Department of Agriculture, total	1,314,169	997,553	473	96,833	13,520	18,148	66,493	117,187	3,962
Agricultural Marketing Service[1]	4,141	4,141	0	0	0	0	0	0	0
Agricultural Research Service[2]	627,094	547,050	0	61,861	5,000	2,708	10,475	0	0
Cooperative State Research, Education, & Extension Svc[3]	419,437	322,190	0	27,187	2,096	0	21,564	46,400	0
Economic Research Service	54,665	0	0	0	0	0	0	54,665	0
Grain Inspection Packers & Stockyards Administration[4]	2,813	2,813	0	0	0	0	0	0	0
Foreign Agricultural Service[5]	1,422	1,422	0	0	0	0	0	0	0
Forest Service	198,900	119,937	473	7,785	6,424	11,743	34,454	14,122	3,962
Nat'l Agricultural Statistics Svc	3,697	0	0	0	0	3,697	0	0	0
Rural Business & Coop Dvlpmt Svc	2,000	0	0	0	0	0	0	2,000	0
Department of Commerce, total	1,017,032	118,637	334	108,873	316,840	180,867	226,543	22,213	42,725
Bureau of the Census	3,407	0	334	0	0	2,214	0	785	74
Economic Development Admin	1,500	0	0	0	0	0	0	1,500	0
National Institute of Standards & Technology	459,186	2,932	0	85,701	486	158,954	210,395	718	0
National Oceanic & Atmospheric Administration	546,416	115,705	0	23,172	316,354	19,699	9,625	19,210	42,651
National Telecommunications & Information Administration	8,523	0	0	0	0	0	6,523	0	0
Department of Defense, total	4,144,956	298,669	92,596	605,764	237,135	687,849	2,077,487	4,022	141,434
Department of the Army	683,797	97,934	12,902	64,808	37,224	83,949	379,331	1,624	6,025
Department of the Navy	882,869	51,851	30,783	204,206	113,653	59,508	405,852	0	17,016
Department of the Air Force	913,527	53,176	35,987	225,146	33,867	89,778	475,573	0	0
Defense agencies, total	1,664,763	95,708	12,924	111,604	52,391	454,614	816,731	2,398	118,393
Advanced Rsch Projects Agency	890,173	0	0	3,224	23,945	407,981	451,877	0	3,146
Ballistic Missile Defense Organization	111,456	0	0	31,549	8,610	14,274	57,023	0	0
Defense Info Systems Agency	1,820	0	0	0	0	0	0	0	1,820
Defense Logistics Agency	8,389	0	8,389	0	0	0	0	0	0
Defense Nuclear Agency	218,933	5,016	0	42,022	4,521	2,982	77,468	0	86,924
Special Operations Command	20,926	638	0	0	0	0	19,762	0	526
Washington Headquarters Svcs	413,066	90,054	4,535	34,809	15,315	29,377	210,601	2,398	25,977
Department of Education	147,993	14,232	3,103	0	0	774	6,464	123,420	0
Department of Energy	3,557,724	266,038	0	1,946,762	337,335	226,761	744,977	1,358	34,493
Dept of Health & Human Svcs, total	10,419,666	8,865,640	412,038	167,825	0	69,839	114,937	169,087	620,300
Administration on Aging[6]	3,200	0	0	0	0	0	0	3,200	0
Admin for Children & Families[6]	10,661	0	0	0	0	0	0	10,661	0
Agency for Health Care Policy & Research[7]	178,024	64,296	455	0	0	16,931	0	44,218	52,124
Centers for Disease Control & Prevention	217,128	217,128	0	0	0	0	0	0	0
Food & Drug Administration	171,823	171,823	0	0	0	0	0	0	0
Health Care Financing Admin	64,500	64,500	0	0	0	0	0	0	0
Health Resources & Svcs Admin	10,270	10,270	0	0	0	0	0	0	0
National Institutes of Health	9,751,782	8,337,623	411,583	167,825	0	52,908	114,937	98,730	568,176
Office of the Secretary	12,278	0	0	0	0	0	0	12,278	0
Department of Housing & Urban Dvlpmt	15,316	0	0	0	931	497	396	12,617	875

See explanatory information, if any, and SOURCE at end of table.

Table C-21. Estimated Federal obligations for research, by agency and field of science and engineering: fiscal year 1996

[Dollars in thousands]

Page 2 of 3

Agency and subdivision	Total	Life sciences	Psychology	Physical sciences	Environmental sciences	Mathematics and computer sciences	Engineering	Social sciences	Other sciences, n.e.c.
Department of the Interior, total	639,841	167,140	0	39,668	313,131	19,025	87,197	12,201	1,479
Bureau of Mines	73,994	0	0	0	8,543	0	65,451	0	0
Bureau of Reclamation	5,662	0	0	0	0	0	5,662	0	0
Geological Survey	357,835	2,937	0	39,048	286,479	17,427	11,572	372	0
Minerals Management Service	22,662	35	0	0	14,991	1,074	4,141	1,585	836
National Biological Service[8]	156,345	156,345	0	0	0	0	0	0	0
National Park Service[8]	23,343	7,823	0	620	3,118	524	371	10,244	643
Department of Justice, total	29,413	0	1,750	0	0	0	400	25,915	1,348
Bureau of Prisons[9]	2,300	0	475	0	0	0	0	1,825	0
Drug Enforcement Administration	48	0	0	0	0	0	0	0	48
Immigration & Naturalization Svc	400	0	0	0	0	0	400	0	0
Office of Justice Programs	26,665	0	1,275	0	0	0	0	24,090	1,300
Department of Labor, total	35,306	0	0	0	0	0	0	35,306	0
Bureau of Labor Statistics	13,300	0	0	0	0	0	0	13,300	0
Employment & Training Admin	12,134	0	0	0	0	0	0	12,134	0
Occupational Safety & Health Administration	4,423	0	0	0	0	0	0	4,423	0
Office of the Secretary	2,613	0	0	0	0	0	0	2,613	0
Pension Benefit Guaranty Corporation	53	0	0	0	0	0	0	53	0
Pension & Welfare Benefit Admin	2,783	0	0	0	0	0	0	2,783	0
Department of State[10]	5,411	0	0	0	0	0	0	5,411	0
Department of Transportation, total	313,212	7,902	26,676	3,385	6,801	30,972	218,268	13,399	5,809
Coast Guard	5,493	0	659	0	657	1,378	2,799	0	0
Federal Aviation Administration	78,048	4,485	24,748	2,530	1,553	0	43,299	0	1,433
Federal Railroad Administration	16,242	0	0	500	600	0	15,142	0	0
Infrastructure Investment[11]	182,253	2,057	1,269	0	3,961	23,412	138,351	8,827	4,376
Maritime Administration	4,977	0	0	0	0	0	4,977	0	0
National Highway Traffic Safety Administration	20,151	1,360	0	0	0	3,527	11,160	4,104	0
Office of the Secretary	642	0	0	0	30	0	612	0	0
Research & Special Programs Administration	5,406	0	0	355	0	2,655	1,928	468	0
Department of the Treasury, total	37,824	500	413	2,526	0	33,696	35	654	0
Bureau of Engraving & Printing	2,201	0	0	2,166	0	0	35	0	0
Internal Revenue Service[12]	33,696	0	0	0	0	33,696	0	0	0
Office of Thrift Supervision[13]	654	0	0	0	0	0	0	654	0
United States Customs Service	700	340	0	360	0	0	0	0	0
United States Secret Service[14]	573	160	413	0	0	0	0	0	0
Department of Veterans Affairs	231,500	215,895	15,414	0	0	0	191	0	0

See explanatory information, if any, and SOURCE at end of table.

Table C-21. Estimated Federal obligations for research, by agency and field of science and engineering: fiscal year 1996

[Dollars in thousands]

Page 3 of 3

Agency and subdivision	Total	Life sciences	Psychology	Physical sciences	Environmental sciences	Mathematics and computer sciences	Engineering	Social sciences	Other sciences, n.e.c.
Other agencies:									
Advisory Commission on Intergovernmental Relations	1,482	0	0	0	0	0	0	1,482	0
Agency for International Dvlpmt	191,981	119,417	0	0	2,143	0	640	29,270	40,511
Appalachian Regional Commission	900	0	0	0	0	0	0	900	0
Environmental Protection Agency	491,343	135,852	0	0	210,256	0	145,235	0	0
Federal Communications Commission	1,804	0	0	85	0	160	1,249	310	0
Federal Trade Commission	982	0	0	0	0	0	0	982	0
Library of Congress	1,907	0	0	0	0	0	0	0	1,907
National Aeronautics & Space Admin	3,076,489	38,310	13,226	2,716,823	131,813	24,057	116,421	168	35,671
National Archives & Records Admin	120	0	0	120	0	0	0	0	0
National Science Foundation	2,303,056	352,539	18,491	521,933	477,691	271,590	399,040	80,712	181,060
Nuclear Regulatory Commission	81,787	0	0	0	0	0	81,787	0	0
Smithsonian Institution	129,150	50,831	0	35,299	5,935	0	0	35,353	1,732
Social Security Administration[15]	37,235	0	0	0	0	0	0	37,235	0
Tennessee Valley Authority	31,130	13,652	0	6,795	1,103	0	2,722	555	6,303
US Arms Control & Disarmament Agency[16]	1,050	47	0	283	0	594	0	126	0
United States Information Agency	300	0	0	0	0	0	300	0	0
US International Trade Commission	10,820	0	0	0	0	0	0	10,820	0

[1] Data reported for the Agricultural Marketing Service include funds for the Office of Transportation beginning in 1989.

[2] The Human Nutrition Information Service merged with the Agricultural Research Service on February 20, 1994.

[3] The Cooperative State Research Service merged with the Extension Service on October 19, 1994, due to a reorganization within the Department of Agriculture.

[4] Name changed from Federal Grain Inspection Service on October 20, 1994

[5] The Office of International Cooperation and Development became part [illegible] he Foreign Agricultural Service (FAS) in June of 1994. Data reported for FAS include funds appropriated to International Cooperation and Development programs within FAS as of fiscal year 1995.

[6] In fiscal year 1991 Human Development Services was replaced by the Administration for Children and Families and by the Administration on Aging. Beginning in fiscal year 1992, data shown for the Administration for Children and Families are separate from obligations for the Administration on Aging.

[7] In fiscal year 1991 the Agency for Health Care Policy and Research became separate from the Office of the Assistant Secretary for Health.

[8] The National Biological Service's name changed from the National Biological Survey on January 5, 1995. As of fiscal year 1994, the National Biological Service performs all biological research activities formerly funded by the US Fish & Wildlife Service and the National Park Service.

[9] Formerly listed as Federal Prison System.

[10] Increases in outlays and obligations reported by the Department of State during the Vol. 44 survey cycle reflect reporting of monies received through interagency agreements from the Agency for International Development. The Department of State transfers these outlays and obligations to other R&D performers.

[11] Monies estimated for fiscal year 1996 by Infrastructure Investment represent a proposed consolidation of several agencies within the Department of Transportation.

[12] Large changes in obligations reported by the Internal Revenue Service for Vol. 44 are due to the shifts in research funding.

[13] In 1989 the Federal Home Loan Bank Board was replaced by the Office of Thrift Supervision. In 1990 the Office of Thrift Supervision became part of the Department of the Treasury.

[14] Formerly listed as Office of Protective Research.

[15] As of March 31, 1995, the Social Security Administration became an independent agency; it is no longer part of the Department of Health & Human Services.

[16] Fiscal year 1994 figures are estimates based on the Vol. 43 submission.

NOTE: Data for only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal Funds Survey, refer to appendix A.

KEY: n.e.c. = Not elsewhere classified

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1994, 1995, and 1996

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Table C-22. Federal obligations for research in psychology and life sciences, by agency and detailed field of science: fiscal year 1994

[Dollars in thousands]

Page 1 of 2

Agency and subdivision	Psychology				Life sciences					
	Total	Bio-logical aspects	Social aspects	Psycho-logical sciences, n.e.c.	Total	Bio-logical	Environ-mental biology	Agri-cultural	Medical	Life sciences, n.e.c.
Total, all agencies	550,221	46,920	116,691	386,610	11,078,750	4,589,569	601,340	790,350	4,741,292	356,199
Departments:										
Department of Agriculture, total	452	0	452	0	1,000,297	133,123	206,493	630,833	29,848	0
Agricultural Marketing Service[1]	0	0	0	0	4,231	0	0	4,231	0	0
Agricultural Research Service[2]	0	0	0	0	552,247	30,424	56,832	451,871	13,120	0
Cooperative State Research, Education, & Extension Svc[3]	0	0	0	0	319,845	79,263	66,188	163,219	11,175	0
Grain Inspection Packers & Stockyards Administration[4]	0	0	0	0	1,791	0	0	1,791	0	0
Foreign Agricultural Service[5]	0	0	0	0	775	0	0	775	0	0
Forest Service	452	0	452	0	114,416	23,436	83,473	1,954	5,553	0
Human Nutrition Information Svc[2]	0	0	0	0	6,992	0	0	6,992	0	0
Department of Commerce, total	280	0	280	0	111,275	22,596	62,369	20,834	4,785	691
Bureau of the Census	280	0	280	0	0	0	0	0	0	0
National Institute of Standards & Technology	0	0	0	0	3,518	2,824	0	0	694	0
National Oceanic & Atmospheric Administration	0	0	0	0	107,757	19,772	62,369	20,834	4,091	691
Department of Defense, total	83,629	12,427	60,281	10,921	377,988	53,504	57,667	0	212,128	54,689
Department of the Army	23,565	958	19,718	2,889	158,305	11,806	2,330	0	138,139	6,030
Department of the Navy	29,880	11,040	16,156	2,684	49,917	22,216	13,804	0	13,897	0
Department of the Air Force	18,512	429	15,510	2,573	67,699	14,047	36,533	0	14,552	2,567
Defense agencies, total	11,672	0	8,897	2,775	102,067	5,435	5,000	0	45,540	46,092
Advanced Rsch Projects Agency	0	0	0	0	1,217	197	0	0	631	389
Defense Logistics Agency	8,897	0	8,897	0	0	0	0	0	0	0
Defense Nuclear Agency	0	0	0	0	4,724	0	0	0	4,724	0
Special Operations Command	0	0	0	0	1,482	0	0	0	0	1,482
Uniformed Svcs University of the Health Sciences	0	0	0	0	848	238	0	0	610	0
Washington Headquarters Svcs	2,775	0	0	2,775	93,796	5,000	5,000	0	39,575	44,221
Department of Education	3,724	0	2,635	1,089	14,357	0	0	0	4,968	9,389
Department of Energy	0	0	0	0	255,196	169,171	2,233	547	70,809	12,436
Dept of Health & Human Svcs, total	383,386	16,678	3,926	362,782	8,279,475	3,823,544	118	61,671	4,146,297	247,845
Agency for Health Care Policy & Research[6]	349	0	349	0	49,274	0	0	0	38,946	10,328
Centers for Disease Control & Prevention	0	0	0	0	206,800	0	0	0	206,800	0
Food & Drug Administration	0	0	0	0	169,433	92,595	0	61,671	0	15,167
Health Care Financing Admin	0	0	0	0	79,959	0	0	0	0	79,959
Health Resources & Svcs Admin	0	0	0	0	10,581	0	0	0	10,581	0
National Institutes of Health	383,037	16,678	3,577	362,782	7,763,428	3,730,949	118	0	3,889,970	142,391

See explanatory information, if any, and SOURCE at end of table.

Table C-22. Federal obligations for research in psychology and life sciences, by agency and detailed field of science: fiscal year 1994

[Dollars in thousands]

Page 2 of 2

Agency and subdivision	Psychology				Life sciences					
	Total	Biological aspects	Social aspects	Psychological sciences, n.e.c.	Total	Biological	Environmental biology	Agricultural	Medical	Life sciences, n.e.c.
Department of the Interior, total	0	0	0	0	159,701	81,458	78,058	185	0	0
Geological Survey	0	0	0	0	2,783	1,244	1,409	130	0	0
Minerals Management Service	0	0	0	0	52	0	52	0	0	0
National Biological Service[7]	0	0	0	0	149,049	78,996	70,053	0	0	0
National Park Service[7]	0	0	0	0	7,817	1,218	6,544	55	0	0
Department of Justice, total	1,336	0	1,161	175	0	0	0	0	0	0
Bureau of Prisons[8]	450	0	275	175	0	0	0	0	0	0
Office of Justice Programs	886	0	886	0	0	0	0	0	0	0
Department of Transportation, total	28,724	0	28,724	0	7,348	1,123	0	34	4,387	1,804
Coast Guard	640	0	640	0	0	0	0	0	0	0
Federal Aviation Administration	27,111	0	27,111	0	4,387	0	0	0	4,387	0
Federal Highway Administration	973	0	973	0	1,576	816	0	34	0	726
National Highway Traffic Safety Administration	0	0	0	0	1,385	307	0	0	0	1,078
Department of the Treasury, total	355	0	0	355	344	240	0	0	104	0
United States Customs Service	0	0	0	0	240	240	0	0	0	0
United States Secret Service[9]	355	0	0	355	104	0	0	0	104	0
Department of Veterans Affairs	14,073	14,023	50	0	209,215	35,158	0	0	174,057	0
Other agencies										
Agency for International Dvlpmt	0	0	0	0	151,463	0	1,542	63,350	68,141	18,430
Environmental Protection Agency	0	0	0	0	101,761	0	83,380	0	18,381	0
National Aeronautics & Space Admin	18,504	73	13,790	4,641	37,013	17,388	1,325	2,326	7,387	8,587
National Science Foundation	15,758	3,719	5,392	6,647	314,211	231,418	80,544	0	0	2,249
Smithsonian Institution	0	0	0	0	48,457	20,846	27,611	0	0	0
Tennessee Valley Authority	0	0	0	0	10,570	0	0	10,570	0	0
US Arms Control & Disarmament Agency[10]	0	0	0	0	79	0	0	0	0	79

[1] Data reported for the Agricultural Marketing Service include funds for the Office of Transportation beginning in 1989.

[2] The Human Nutrition Information Service merged with the Agricultural Research Service on February 20, 1994.

[3] The Cooperative State Research Service merged with the Extension Service on October 19, 1994, due to a reorganization within the Department of Agriculture.

[4] Name changed from Federal Grain Inspection Service on October 20, 1994.

[5] The Office of International Cooperation and Development became part of the Foreign Agricultural Service (FAS) in June of 1994. Data reported for FAS include funds appropriated to International Cooperation and Development programs within FAS as of fiscal year 1995.

[6] In fiscal year 1991 the Agency for Health Care Policy and Research became separate from the Office of the Assistant Secretary for Health.

[7] The National Biological Service's name changed from the National Biological Survey on January 5, 1995. As of fiscal year 1994, the National Biological Service performs all biological research activities formerly funded by the US Fish & Wildlife Service and the National Park Service.

[8] Formerly listed as Federal Prison System.

[9] Formerly listed as Office of Protective Research.

[10] Fiscal year 1994 figures are estimates based on the Vol. 43 submission.

NOTE: Data for only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal Funds Survey, refer to appendix A.

KEY: n.e.c. = Not elsewhere classified

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1994, 1995, and 1996

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Table C-23. Federal obligations for research in physical and environmental sciences, by agency and detailed field of science: fiscal year 1994

[Dollars in thousands]

Page 1 of 2

Agency and subdivision	Physical sciences: Total	Physical sciences: Astronomy	Physical sciences: Chemistry	Physical sciences: Physics	Physical sciences: Physical sciences, n.e.c.	Environmental sciences: Total	Environmental sciences: Atmospheric	Environmental sciences: Geological	Environmental sciences: Oceanography	Environmental sciences: Environmental sciences, n.e.c.
Total, all agencies	6,792,699	3,539,347	830,818	2,231,239	191,295	2,031,970	584,291	668,718	384,221	394,740
Departments										
Department of Agriculture, total	94,996	0	90,552	4,444	0	12,327	10,610	1,717	0	0
Agricultural Research Service [1]	57,064	0	54,489	2,575	0	3,710	3,363	347	0	0
Cooperative State Research Education, & Extension Svc [2]	30,514	0	30,514	0	0	2,484	2,484	0	0	0
Forest Service	7,418	0	5,549	1,869	0	6,133	4,763	1,370	0	0
Department of Commerce, total	97,277	2,028	36,869	58,282	98	302,109	96,990	4,387	191,983	8,749
National Institute of Standards & Technology	75,989	377	26,882	48,632	98	518	0	518	0	0
National Oceanic & Atmospheric Administration	21,288	1,651	9,987	9,650	0	301,591	96,990	3,869	191,983	8,749
Department of Defense, total	599,135	13,182	146,861	385,807	53,285	281,474	62,855	92,248	78,871	47,500
Department of the Army	99,918	149	53,079	32,655	14,035	42,930	13,742	5,758	578	22,852
Department of the Navy	195,548	4,592	35,775	152,429	2,752	127,710	17,475	37,950	72,285	0
Department of the Air Force	179,904	8,441	44,278	126,083	1,102	49,115	16,079	33,036	0	0
Defense agencies, total	123,765	0	13,729	74,640	35,396	61,719	15,559	15,504	6,008	24,648
Advanced Rsch Projects Agency	14,914	0	510	8,644	5,760	26,620	0	15,254	5,758	5,608
Ballistic Missile Defense Organization	33,663	0	3,219	29,749	695	7,277	7,277	0	0	0
Defense Nuclear Agency	38,685	0	0	26,247	12,438	13,082	8,032	0	0	5,050
Washington Headquarters Svcs	36,503	0	10,000	10,000	16,503	14,740	250	250	250	13,990
Department of Energy	1,809,158	14,235	225,567	1,485,254	84,102	303,852	106,463	81,599	7,337	108,453
Dept of Health & Human Svcs, total	156,351	0	137,420	18,931	0	0	0	0	0	0
National Institutes of Health	156,351	0	137,420	18,931	0	0	0	0	0	0
Department of Housing & Urban Dvlpmt	0	0	0	0	0	17	0	0	0	17

See explanatory information, if any, and SOURCE at end of table.

Table C-23. Federal obligations for research in physical and environmental sciences, by agency and detailed field of science: fiscal year 1994

[Dollars in thousands]

Page 2 of 2

Agency and subdivision	Physical sciences					Environmental sciences				
	Total	Astronomy	Chemistry	Physics	Physical sciences, n.e.c.	Total	Atmospheric	Geological	Oceanography	Environmental sciences, n.e.c.
Department of the Interior, total	38,007	0	31,784	6,223	0	311,900	2,711	295,226	12,078	1,885
Bureau of Mines	0	0	0	0	0	8,838	0	8,396	0	442
Geological Survey	37,337	0	31,114	6,223	0	287,580	750	286,830	0	0
Minerals Management Service	0	0	0	0	0	12,364	383	0	11,981	0
National Park Service[3]	670	0	670	0	0	3,118	1,578	0	97	1,443
Department of Transportation, total	3,140	0	0	3,140	0	5,706	2,512	1,416	660	1,118
Coast Guard	0	0	0	0	0	660	0	0	660	0
Federal Aviation Administration	2,640	0	0	2,640	0	1,456	1,456	0	0	0
Federal Highway Administration	0	0	0	0	0	2,965	1,056	1,416	0	493
Federal Railroad Administration	500	0	0	500	0	600	0	0	0	600
Office of the Secretary	0	0	0	0	0	25	0	0	0	25
Department of the Treasury, total	1,868	0	234	452	1,182	0	0	0	0	0
Bureau of Engraving & Printing	1,628	0	234	212	1,182	0	0	0	0	0
United States Customs Service	240	0	0	240	0	0	0	0	0	0
Other agencies:										
Agency for International Dvlpmt	0	0	0	0	0	742	0	0	0	742
Consumer Product Safety Commission	130	0	130	0	0	0	0	0	0	0
Environmental Protection Agency	0	0	0	0	0	244,589	108,968	15,046	497	120,078
Federal Communications Commission	55	0	0	0	55	0	0	0	0	0
National Aeronautics & Space Admin	3,484,904	3,355,172	5,427	99,317	24,988	127,355	52,835	20,207	13,227	41,086
National Archives & Records Admin	280	0	80	200	0	0	0	0	0	0
National Science Foundation	466,325	122,065	149,108	167,698	27,454	435,260	139,290	151,711	79,147	65,112
Smithsonian Institution	34,580	32,665	634	1,281	0	5,610	80	5,161	369	0
Tennessee Valley Authority	5,968	0	5,968	0	0	977	977	0	0	0
US Arms Control & Disarmament Agency[4]	525	0	184	210	131	52	0	0	52	0

[1] The Human Nutrition Information Service merged with the Agricultural Research Service on February 20, 1994.

[2] The Cooperative State Research Service merged with the Extension Service on October 19, 1994, due to a reorganization within the Department of Agriculture.

[3] The National Biological Service's name changed from the National Biological Survey on January 5, 1995. As of fiscal year 1994, the National Biological Service performs all biological research activities formerly funded by the US Fish & Wildlife Service and the National Park Service.

[4] Fiscal year 1994 figures are estimates based on the Vol. 43 submission.

NOTE: Data for only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal Funds Survey, refer to appendix A.

KEY: n.e.c. = Not elsewhere classified

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1994, 1995, and 1996

Table C-24. Federal obligations for research in engineering, by agency and detailed field of engineering: fiscal year 1994

[Dollars in thousands]

Page 1 of 2

Agency and subdivision	Total	Aero-nautical	Astro-nautical	Chemical	Civil	Electrical	Mechanical	Metallurgy and materials	Engineering, n.e.c.
Total, all agencies	4,023,272	221,293	90,543	234,654	297,495	699,025	360,543	810,636	1,309,083
Departments:									
Department of Agriculture, total	65,625	0	0	6,560	6,416	432	3,386	0	48,831
Agricultural Research Service[1]	8,561	0	0	4,020	2,087	357	545	0	1,552
Cooperative State Research, Education, & Extension Svc[2]	24,176	0	0	0	0	0	0	0	24,176
Forest Service	32,888	0	0	2,540	4,329	75	2,841	0	23,103
Department of Commerce, total	108,426	0	0	5,664	8,701	28,666	5,128	27,578	32,689
National Institute of Standards & Technology	95,306	0	0	5,664	8,701	21,939	5,128	27,578	26,296
National Oceanic & Atmospheric Administration	8,283	0	0	0	0	1,890	0	0	6,393
National Telecommunications & Information Administration	4,837	0	0	0	0	4,837	0	0	0
Department of Defense, total	2,165,662	181,211	77,330	34,858	99,703	546,110	252,999	479,749	493,702
Department of the Army	441,791	47,512	130	17,664	51,279	140,296	97,517	25,545	61,848
Department of the Navy	377,053	6,951	40,715	6,951	12,923	137,213	87,817	82,616	1,867
Department of the Air Force	397,956	103,915	34,017	2,824	9,782	113,050	33,789	95,777	4,802
Defense agencies, total	948,862	22,833	2,468	7,419	25,719	155,551	33,876	275,811	425,185
Advanced Rsch Projects Agency	555,474	1,962	0	3,168	0	88,375	372	249,150	212,447
Ballistic Missile Defense Organization	53,292	871	2,468	2,112	0	29,015	12,165	6,661	0
Defense Nuclear Agency	78,115	0	0	2,139	5,719	16,473	1,339	0	52,445
Special Operations Command	31,221	0	0	0	0	0	0	0	31,221
Washington Headquarters Svcs	230,760	20,000	0	0	20,000	21,688	20,000	20,000	129,072
Department of Education	6,472	0	0	0	0	0	0	0	6,472
Department of Energy	665,052	0	803	131,185	36,512	42,235	37,057	71,762	345,498
Dept of Health & Human Svcs, total	107,022	0	0	0	0	0	0	0	107,022
National Institutes of Health	107,022	0	0	0	0	0	0	0	107,022
Department of Housing & Urban Dvlpmt	828	0	0	0	0	0	0	0	828

See explanatory information, if any, and SOURCE at end of table.

Table C-24. Federal obligations for research in engineering, by agency and detailed field of engineering: fiscal year 1994

[Dollars in thousands]

Page 2 of 2

Agency and subdivision	Total	Aeronautical	Astronautical	Chemical	Civil	Electrical	Mechanical	Metallurgy and materials	Engineering, n.e.c.
Department of the Interior, total	108,553	0	0	12,591	7,528	125	824	87,022	463
Bureau of Mines	86,536	0	0	0	0	0	0	86,536	0
Bureau of Reclamation	5,545	0	0	0	5,515	30	0	0	0
Geological Survey	10,987	0	0	9,957	780	95	155	0	0
Minerals Management Service	5,114	0	0	2,634	862	0	669	486	463
National Park Service[3]	371	0	0	0	371	0	0	0	0
Department of Justice, total	400	0	0	0	0	175	225	0	0
Immigration & Naturalization Svc	400	0	0	0	0	175	225	0	0
Department of Transportation, total	185,934	245	0	2,378	106,183	4,453	13,144	9,325	50,206
Coast Guard	2,847	0	0	0	440	1,290	605	512	0
Federal Aviation Administration	42,369	0	0	0	34,943	0	0	7,426	0
Federal Highway Administration	103,850	0	0	2,278	63,341	891	372	737	36,231
Federal Railroad Administration	14,650	0	0	100	5,700	2,122	5,770	550	408
Federal Transit Administration[4]	4,572	0	0	0	170	150	300	0	3,952
Maritime Administration	1,744	0	0	0	1,589	0	0	0	155
National Highway Traffic Safety Administration	13,658	0	0	0	0	0	6,097	0	7,561
Office of the Secretary	545	245	0	0	0	0	0	0	300
Research & Special Programs Administration	1,699	0	0	0	0	0	0	100	1,599
Department of Veterans Affairs	191	0	0	0	0	0	0	0	191
Other agencies:									
Agency for International Dvlpmt	564	0	0	0	564	0	0	0	0
Environmental Protection Agency	55,972	0	0	2,638	0	0	0	0	53,334
Federal Communications Commission	1,057	0	0	0	0	1,057	0	0	0
National Aeronautics & Space Admin	112,486	36,504	12,410	2,758	1,253	8,713	11,442	16,681	22,725
National Science Foundation	345,353	3,333	0	33,611	30,635	66,500	36,338	118,519	56,417
Nuclear Regulatory Commission	90,705	0	0	0	0	0	0	0	90,705
Tennessee Valley Authority	2,411	0	0	2,411	0	0	0	0	0
United States Information Agency	559	0	0	0	0	559	0	0	0

[1] The Human Nutrition Information Service merged with the Agricultural Research Service on February 20, 1994.

[2] The Cooperative State Research Service merged with the Extension Service on October 19, 1994, due to a reorganization within the Department of Agriculture.

[3] The National Biological Service's name changed from the National Biological Survey on January 5, 1995. As of fiscal year 1994, the National Biological Service performs all biological research activities formerly funded by the US Fish & Wildlife Service and the National Park Service.

[4] Name changed from Urban Mass Transit Administration on December 18, 1991.

NOTE: Data for only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal Funds Survey, refer to appendix A.

KEY: n.e.c. = Not elsewhere classified

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1994, 1995, and 1996

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Table C-25. Federal obligations for research in mathematics and computer sciences and in social sciences, by agency and detailed field of science: fiscal year 1994

[Dollars in thousands]

Agency and subdivision	Mathematics and computer sciences				Social sciences					
	Total	Mathematics	Computer sciences	Mathematics and computer sciences, n.e.c.	Total	Anthropology	Economics	Political science	Sociology	Social sciences, n.e.c.
Total, all agencies	1.242.278	339.033	803.280	99.965	655.037	16.855	195.270	28.512	69.140	345.260
Departments:										
Department of Agriculture, total	17.878	15.279	2.599	0	126.827	285	116.464	0	10.078	0
Agricultural Cooperative Service	0	0	0	0	3.734	0	3.734	0	0	0
Agricultural Research Service[1]	2.796	197	2.599	0	0	0	0	0	0	0
Cooperative State Research, Education, & Extension Svc[2]	0	0	0	0	51.976	0	43.000	0	8.976	0
Economic Research Service	0	0	0	0	55.219	0	55.219	0	0	0
Forest Service	11.221	11.221	0	0	13.486	285	12.099	0	1.102	0
Nat'l Agricultural Statistics Svc	3.861	3.861	0	0	0	0	0	0	0	0
Rural Business & Coop Dvlpmt Svc	0	0	0	0	2.412	0	2.412	0	0	0
Department of Commerce, total	49.047	12.229	31.980	4.838	16.777	0	4.320	6.561	5.536	360
Bureau of the Census	1.847	1.636	211	0	653	0	357	296	0	0
Economic Development Admin	0	0	0	0	605	0	605	0	0	0
National Institute of Standards & Technology	31.648	3.510	23.300	4.838	319	0	319	0	0	0
National Oceanic & Atmospheric Administration	15.552	7.083	8.469	0	15.200	0	3.039	6.265	5.536	360
Department of Defense, total	593.188	90.048	455.426	47.714	2.511	287	365	0	244	1.615
Department of the Army	78.345	13.492	45.018	19.835	2.356	287	365	0	244	1.460
Department of the Navy	53.184	20.042	32.302	840	0	0	0	0	0	0
Department of the Air Force	96.933	38.158	45.696	13.079	0	0	0	0	0	0
Defense agencies, total	364.726	18.356	332.410	13.960	155	0	0	0	0	155
Advanced Rsch Projects Agency	325.373	7.362	316.762	1.249	0	0	0	0	0	0
Ballistic Missile Defense Organization	6.375	5.994	381	0	0	0	0	0	0	0
Defense Nuclear Agency	3.029	0	3.029	0	0	0	0	0	0	0
Washington Headquarters Svcs	29.949	5.000	12.238	12.711	155	0	0	0	0	155
Department of Education	1.423	0	1.423	0	110.778	0	0	0	1.946	108.832
Department of Energy	201.777	81.910	89.574	30.293	932	420	512	0	0	0
Dept of Health & Human Svcs, total	62.210	48.727	13.309	174	173.889	0	11.123	2.840	17.820	142.106
Administration on Aging[3]	0	0	0	0	3.500	0	0	0	0	3.500
Admin for Children & Families[3]	0	0	0	0	10.436	0	0	0	0	10.436
Agency for Health Care Policy & Research[4]	12.975	353	12.448	174	34.097	0	11.123	2.840	17.820	2.314
National Institutes of Health	49.235	48.374	861	0	91.888	0	0	0	0	91.888
Office of the Secretary	0	0	0	0	11.741	0	0	0	0	11.741
Social Security Administration[5]	0	0	0	0	22.227	0	0	0	0	22.227
Department of Housing & Urban Dvlpmt	177	0	177	0	12.255	0	8.488	5	448	3.314

See explanatory information, if any, and SOURCE at end of table.

Table C-25. Federal obligations for research in mathematics and computer sciences and in social sciences, by agency and detailed field of science: fiscal year 1994

[Dollars in thousands]

Agency and subdivision	Mathematics and computer sciences				Social sciences					
	Total	Mathematics	Computer sciences	Mathematics and computer sciences, n.e.c.	Total	Anthropology	Economics	Political science	Sociology	Social sciences, n.e.c.
Department of the Interior, total	18,296	2,996	15,300	0	12,589	4,672	71	0	1,124	6,722
Geological Survey	16,353	2,996	13,357	0	330	0	0	0	0	330
Minerals Management Service	1,419	0	1,419	0	1,158	0	65	0	1,093	0
National Park Service[6]	524	0	524	0	11,101	4,672	6	0	31	6,392
Department of Justice, total	0	0	0	0	21,430	250	325	600	16,819	3,436
Bureau of Prisons[7]	0	0	0	0	1,650	50	50	0	1,100	450
Office of Justice Programs	0	0	0	0	19,780	200	275	600	15,719	2,986
Department of Labor, total	0	0	0	0	19,569	0	19,254	0	0	315
Bureau of Labor Statistics	0	0	0	0	7,100	0	7,100	0	0	0
Employment & Training Admin	0	0	0	0	3,093	0	3,093	0	0	0
Occupational Safety & Health Administration	0	0	0	0	3,310	0	3,310	0	0	0
Office of the Secretary	0	0	0	0	3,090	0	2,775	0	0	315
Pension Benefit Guaranty Corporation	0	0	0	0	301	0	301	0	0	0
Pension & Welfare Benefit Admin	0	0	0	0	2,675	0	2,675	0	0	0
Department of State[8]	0	0	0	0	8,238	628	1,981	3,409	1,259	961
Department of Transportation, total	25,558	1,514	23,191	853	11,587	0	3,066	522	6,528	1,471
Coast Guard	1,435	0	1,435	0	0	0	0	0	0	0
Federal Highway Administration	16,944	1,514	14,577	853	4,004	0	2,046	487	0	1,471
Federal Railroad Administration	0	0	0	0	300	0	300	0	0	0
Federal Transit Administration[9]	625	0	625	0	2,615	0	420	35	2,160	0
National Highway Traffic Safety Administration	5,904	0	5,904	0	4,368	0	0	0	4,368	0
Research & Special Programs Administration	650	0	650	0	300	0	300	0	0	0
Department of the Treasury, total	6,134	0	6,134	0	481	0	481	0	0	0
Internal Revenue Service[10]	6,134	0	6,134	0	0	0	0	0	0	0
Office of Thrift Supervision[11]	0	0	0	0	481	0	481	0	0	0

See explanatory information, if any, and SOURCE at end of table.

Table C-25. Federal obligations for research in mathematics and computer sciences and in social sciences, by agency and detailed field of science: fiscal year 1994

[Dollars in thousands]

Agency and subdivision	Mathematics and computer sciences				Social sciences					
	Total	Mathematics	Computer sciences	Mathematics and computer sciences, n.e.c.	Total	Anthropology	Economics	Political science	Sociology	Social sciences, n.e.c.
Other agencies:										
Advisory Commission on Intergovernmental Relations	0	0	0	0	1,355	0	678	677	0	0
Agency for International Dvlpmt	1,784	0	1,784	0	23,907	0	5,568	8,545	0	9,794
Appalachian Regional Commission	0	0	0	0	900	0	0	0	0	900
Federal Communications Commission	123	0	123	0	448	0	448	0	0	0
Federal Trade Commission	0	0	0	0	705	0	705	0	0	0
National Aeronautics & Space Admin	25,668	4,224	16,711	4,733	162	0	0	0	87	75
National Science Foundation	238,584	81,712	145,512	11,360	65,714	6,885	11,567	5,117	6,773	35,372
Smithsonian Institution	0	0	0	0	33,893	3,428	0	0	478	29,987
Tennessee Valley Authority	0	0	0	0	490	0	490	0	0	0
US Arms Control & Disarmament Agency[12]	431	394	37	0	236	0	0	236	0	0
US International Trade Commission	0	0	0	0	9,364	0	9,364	0	0	0

[1] The Human Nutrition Information Service merged with the Agricultural Research Service on February 20, 1994.

[2] The Cooperative State Research Service merged with the Extension Service on October 19, 1994, due to a reorganization within the Department of Agriculture.

[3] In fiscal year 1991 Human Development Services was replaced by the Administration for Children and Families and by the Administration on Aging. Beginning in fiscal year 1992, data shown for the Administration for Children and Families are separate from obligations for the Administration on Aging.

[4] In fiscal year 1991 the Agency for Health Care Policy and Research became separate from the Office of the Assistant Secretary for Health.

[5] As of March 31, 1995, the Social Security Administration became an independent agency; it is no longer part of the Department of Health & Human Services.

[6] The National Biological Service's name changed from the National Biological Survey on January 5, 1995. As of fiscal year 1994, the National Biological Service performs all biological research activities formerly funded by the US Fish & Wildlife Service and the National Park Service.

[7] Formerly listed as Federal Prison System.

[8] Increases in outlays and obligations reported by the Department of State during the Vol. 44 survey cycle reflect reporting of monies received through interagency agreements from the Agency for International Development. The Department of State transfers these outlays and obligations to other R&D performers.

[9] Name changed from Urban Mass Transit Administration on December 18, 1991.

[10] Large changes in obligations reported by the Internal Revenue Service for Vol. 44 are due to the shifts in research funding.

[11] In 1989 the Federal Home Loan Bank Board was replaced by the Office of Thrift Supervision. In 1990 the Office of Thrift Supervision became part of the Department of the Treasury.

[12] Fiscal year 1994 figures are estimates based on the Vol. 43 submission.

NOTE: Data for only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal Funds Survey, refer to appendix A.

KEY: n.e.c. = Not elsewhere classified

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1994, 1995, and 1996

Table C-26. Federal obligations for basic research, by agency and performer: fiscal year 1994

[Dollars in thousands]

Page 1 of 2

Agency and subdivision	Total	Intramural	Extramural							
			United States and territories							Foreign
			Industrial firms	FFRDCs admin by industrial firms	Universities and colleges	FFRDCs admin by univs and colleges	Other nonprofit institutions	FFRDCs admin by nonprofit institutions	State and local govts	
Total, all agencies	13,552,858	2,504,957	1,109,111	237,622	7,024,193	1,336,044	1,125,657	73,942	75,218	66,114
Departments:										
Department of Agriculture, total	606,255	395,539	4,500	0	199,238	0	3,856	0	856	2,266
Agricultural Research Service[1]	366,483	348,182	0	0	13,619	0	2,285	0	233	2,164
Cooperative State Research, Education, & Extension Svc[2]	194,682	10,455	4,473	0	177,795	0	1,544	0	415	0
Economic Research Service	9,939	9,490	0	0	449	0	0	0	0	0
Foreign Agricultural Service[3]	581	532	0	0	49	0	0	0	0	0
Forest Service	33,300	25,610	27	0	7,326	0	27	0	208	102
Nat'l Agricultural Statistics Svc	1,270	1,270	0	0	0	0	0	0	0	0
Department of Commerce, total	40,119	36,044	245	0	3,535	145	150	0	0	0
Bureau of the Census	309	309	0	0	0	0	0	0	0	0
National Institute of Standards & Technology	39,810	35,735	245	0	3,535	145	150	0	0	0
Department of Defense, total	1,222,258	312,036	92,069	497	760,510	4,212	40,641	680	0	11,613
Department of the Army	213,270	127,769	10,695	0	68,256	245	3,597	0	0	2,708
Department of the Navy	400,144	136,788	26,328	94	199,396	1,807	28,712	150	0	6,869
Department of the Air Force	242,384	34,025	26,467	0	174,330	0	5,996	24	0	1,542
Defense agencies, total	366,460	13,454	28,579	403	318,528	2,160	2,336	506	0	494
Advanced Rsch Projects Agency	77,274	2,604	28,579	403	40,192	2,160	2,336	506	0	494
Uniformed Svcs University of the Health Sciences	848	848	0	0	0	0	0	0	0	0
Washington Headquarters Svcs	288,338	10,002	0	0	278,336	0	0	0	0	0
Department of Education	5,519	223	0	0	4,504	0	792	0	0	0
Department of Energy	1,603,223	44,402	19,768	163,823	363,731	931,007	14,863	62,704	178	2,747
Dept of Health & Human Svcs, total	5,883,983	967,660	196,262	72,955	3,680,348	15,319	852,974	8,335	61,672	28,458
Agency for Health Care Policy & Research[4]	811	8	0	0	0	0	0	0	0	803
Health Resources & Svcs Admin	802	556	0	0	246	0	0	0	0	0
National Institutes of Health	5,882,370	967,096	196,262	72,955	3,680,102	15,319	852,974	8,335	61,672	27,655
Department of the Interior, total	83,222	68,677	1,748	347	11,375	75	0	0	1,000	0
Bureau of Mines	25,421	15,537	1,748	347	7,789	0	0	0	0	0
Geological Survey	43,465	39,865	0	0	2,600	0	0	0	1,000	0
National Biological Service[5]	13,666	12,885	0	0	781	0	0	0	0	0
National Park Service[5]	670	390	0	0	205	75	0	0	0	0

See explanatory information, if any, and SOURCE at end of table.

Table C-26. Federal obligations for basic research, by agency and performer: fiscal year 1994

[Dollars in thousands]

Page 2 of 2

Agency and subdivision	Total	Intramural	Extramural							
			United States and territories							
			Industrial firms	FFRDCs admin by industrial firms	Universities and colleges	FFRDCs admin by univs and colleges	Other nonprofit institutions	FFRDCs admin by nonprofit institutions	State and local govts	Foreign
Department of Justice, total	5,857	867	415	0	1,010	0	3,367	0	198	0
Office of Justice Programs	5,857	867	415	0	1,010	0	3,367	0	198	0
Department of Labor, total	5,829	1,629	0	0	4,200	0	0	0	0	0
Bureau of Labor Statistics	5,600	1,600	0	0	4,000	0	0	0	0	0
Employment & Training Admin	229	29	0	0	200	0	0	0	0	0
Department of State[6]	7,849	86	0	0	0	0	7,763	0	0	0
Department of Transportation, total	3,007	1	497	0	2,311	111	0	0	87	0
Federal Highway Administration	3,007	1	497	0	2,311	111	0	0	87	0
Department of the Treasury, total	21	21	0	0	0	0	0	0	0	0
Bureau of Engraving & Printing	21	21	0	0	0	0	0	0	0	0
Department of Veterans Affairs	14,373	14,373	0	0	0	0	0	0	0	0
Other agencies:										
Agency for International Dvlpmt	1,775	282	0	0	16	0	1,477	0	0	0
Environmental Protection Agency	101,360	20,859	36,805	0	17,991	0	21,163	0	4,542	0
Library of Congress	434	434	0	0	0	0	0	0	0	0
National Aeronautics & Space Admin	1,963,909	490,977	706,865	0	421,481	259,525	60,605	1,988	5,052	17,413
National Archives & Records Admin	150	150	0	0	0	0	0	0	0	0
National Science Foundation	1,870,669	17,651	49,937	0	1,553,943	125,647	118,006	235	1,633	3,617
Smithsonian Institution	124,176	124,176	0	0	0	0	0	0	0	0
Tennessee Valley Authority	8,870	8,870	0	0	0	0	0	0	0	0

[1] The Human Nutrition Information Service merged with the Agricultural Research Service on February 20, 1994.

[2] The Cooperative State Research Service merged with the Extension Service on October 19, 1994, due to a reorganization within the Department of Agriculture.

[3] The Office of International Cooperation and Development became part of the Foreign Agricultural Service (FAS) in June of 1994. Data reported for FAS include funds appropriated to International Cooperation and Development programs within FAS as of fiscal year 1995.

[4] In fiscal year 1991 the Agency for Health Care Policy and Research became separate from the Office of the Assistant Secretary for Health.

[5] The National Biological Service's name changed from the National Biological Survey on January 5, 1995. As of fiscal year 1994, the National Biological Service performs all biological research activities formerly funded by the US Fish & Wildlife Service and the National Park Service.

[6] Increases in outlays and obligations reported by the Department of State during the Vol. 44 survey cycle reflect reporting of monies received through interagency agreements from the Agency for International Development. The Department of State transfers these outlays and obligations to other R&D performers.

NOTE: Data for only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal Funds Survey, refer to appendix A.

KEY: FFRDCs = Federally funded research and development centers

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1994, 1995, and 1996

Table C-27. Estimated Federal obligations for basic research, by agency and performer: fiscal year 1995

[Dollars in thousands]

Page 1 of 2

Agency and subdivision	Total	Intramural	Extramural							
			United States and territories							Foreign
			Industrial firms	FFRDCs admin by industrial firms	Universities and colleges	FFRDCs admin by univs and colleges	Other nonprofit institutions	FFRDCs admin by nonprofit institutions	State and local govts	
Total, all agencies	13.569.087	2.468.002	891.505	251.211	7.224.450	1.359.820	1.116.323	79.615	111.787	66.374
Departments:										
Department of Agriculture, total	603.121	393.394	5.378	0	197.919	0	3.784	0	845	1.801
Agricultural Research Service[1]	369.293	349.218	0	0	15.929	0	2.214	0	233	1.699
Cooperative State Research, Education, & Extension Svc[2]	191.915	10.283	5.350	0	174.338	0	1.542	0	402	0
Economic Research Service	5.353	5.140	0	0	213	0	0	0	0	0
Foreign Agricultural Service[3]	1.067	978	0	0	89	0	0	0	0	0
Forest Service	34.300	26.582	28	0	7.350	0	28	0	210	102
Nat'l Agricultural Statistics Svc	1.193	1.193	0	0	0	0	0	0	0	0
Department of Commerce, total	45.444	40.500	351	0	4.208	145	240	0	0	0
Bureau of the Census	365	365	0	0	0	0	0	0	0	0
National Institute of Standards & Technology	45.079	40.135	351	0	4.208	145	240	0	0	0
Department of Defense, total	1.281.977	332.674	121.305	1.420	773.289	4.452	36.371	1.298	0	11.168
Department of the Army	229.962	143.486	15.168	690	64.989	185	2.856	0	0	2.588
Department of the Navy	415.083	137.784	29.840	95	210.466	1.447	28.582	0	0	6.869
Department of the Air Force	228.124	31.261	27.610	0	165.834	0	1.997	25	0	1.397
Defense agencies, total	408.808	20.143	48.687	635	332.000	2.820	2.936	1.273	0	314
Advanced Rsch Projects Agency	83.224	2.525	40.636	635	32.085	2.820	2.936	1.273	0	314
Washington Headquarters Svcs	325.584	17.618	8.051	0	299.915	0	0	0	0	0
Department of Education	5.800	172	0	0	4.628	0	1.000	0	0	0
Department of Energy	1.693.812	41.429	61.605	173.347	373.496	959.765	13.215	67.389	164	3.402
Dept of Health & Human Svcs, total	6.085.178	1.014.487	205.717	76.423	3.774.910	16.162	894.213	8.774	64.647	29.845
Agency for Health Care Policy & Research[4]	762	8	0	0	0	0	0	0	0	754
Health Resources & Svcs Admin	680	668	0	0	12	0	0	0	0	0
National Institutes of Health	6.083.736	1.013.811	205.717	76.423	3.774.898	16.162	894.213	8.774	64.647	29.091
Department of the Interior, total	79.225	65.489	2.138	21	10.412	1.165	0	0	0	0
Bureau of Mines	23.265	15.463	2.138	21	5.643	0	0	0	0	0
Geological Survey	41.598	37.998	0	0	2.500	1.100	0	0	0	0
National Biological Service[5]	13.692	11.638	0	0	2.054	0	0	0	0	0
National Park Service[5]	670	390	0	0	215	65	0	0	0	0

See explanatory information, if any, and SOURCE at end of table.

Table C-27. Estimated Federal obligations for basic research, by agency and performer: fiscal year 1995

[Dollars in thousands]

Page 2 of 2

Agency and subdivision	Total	Intra-mural	Extramural							
			United States and territories							Foreign
			Indus-trial firms	FFRDCs admin by in-dustrial firms	Univer-sities and colleges	FFRDCs admin by univs and colleges	Other nonprofit insti-tutions	FFRDCs admin by non-profit insti-tutions	State and local govts	
Department of Justice, total	5.685	2.150	691	0	1.032	0	1.350	0	462	0
Office of Justice Programs	5.685	2.150	691	0	1.032	0	1.350	0	462	0
Department of Labor, total	11.829	2.308	0	0	9.521	0	0	0	0	0
Bureau of Labor Statistics	11.600	2.279	0	0	9.321	0	0	0	0	0
Employment & Training Admin	229	29	0	0	200	0	0	0	0	0
Department of State[6]	6.013	89	0	0	0	0	5.924	0	0	0
Department of Transportation, total	3.528	1	315	0	3.108	0	0	0	104	0
Federal Highway Administration	3.528	1	315	0	3.108	0	0	0	104	0
Department of the Treasury, total	26	26	0	0	0	0	0	0	0	0
Bureau of Engraving & Printing	26	26	0	0	0	0	0	0	0	0
Department of Veterans Affairs	13.500	13.500	0	0	0	0	0	0	0	0
Other agencies										
Agency for International Dvlpmt	697	319	0	0	23	0	355	0	0	0
Environmental Protection Agency	102.154	22.768	34.815	0	5.614	0	0	0	38.957	0
Library of Congress	442	442	0	0	0	0	0	0	0	0
National Aeronautics & Space Admin	1.536.097	384.024	398.854	0	436.233	246.269	47.403	1.919	4.991	16.404
National Science Foundation	1.960.419	20.090	60.336	0	1.630.057	131.862	112.468	235	1.617	3.754
Smithsonian Institution	125.150	125.150	0	0	0	0	0	0	0	0
Tennessee Valley Authority	8.990	8.990	0	0	0	0	0	0	0	0

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[1] The Human Nutrition Information Service merged with the Agricultural Research Service on February 20, 1994.

[2] The Cooperative State Research Service merged with the Extension Service on October 19, 1994, due to a reorganization within the Department of Agriculture.

[3] The Office of International Cooperation and Development became part of the Foreign Agricultural Service (FAS) in June of 1994. Data reported for FAS include funds appropriated to International Cooperation and Development programs within FAS as of fiscal year 1995.

[4] In fiscal year 1991 the Agency for Health Care Policy and Research became separate from the Office of the Assistant Secretary for Health.

[5] The National Biological Service's name changed from the National Biological Survey on January 5, 1995. As of fiscal year 1994, the National Biological Service performs all biological research activities formerly funded by the US Fish & Wildlife Service and the National Park Service.

[6] Increases in outlays and obligations reported by the Department of State during the Vol. 44 survey cycle reflect reporting of monies received through interagency agreements from the Agency for International Development. The Department of State transfers these outlays and obligations to other R&D performers.

NOTE: Data for only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal Funds Survey, refer to appendix A.

KEY: FFRDCs = Federally funded research and development centers

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1994, 1995, and 1996

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Table C-28. Estimated Federal obligations for basic research, by agency and performer: fiscal year 1996

[Dollars in thousands]

Page 1 of 2

Agency and subdivision	Total	Intra-mural	Extramural							
			United States and territories							
			Industrial firms	FFRDCs admin by industrial firms	Universities and colleges	FFRDCs admin by univs and colleges	Other nonprofit institutions	FFRDCs admin by nonprofit institutions	State and local govts	Foreign
Total, all agencies	14,037,351	2,505,843	983,124	254,969	7,477,428	1,394,029	1,153,091	82,480	120,487	65,900
Departments:										
Department of Agriculture, total	615,341	395,661	5,612	0	209,019	0	2,415	0	833	1,801
Agricultural Research Service[1]	368,077	349,756	0	0	15,544	0	845	0	233	1,699
Cooperative State Research, Education, & Extension Svc[2]	204,315	10,980	5,584	0	185,819	0	1,542	0	390	0
Economic Research Service	5,466	5,249	0	0	217	0	0	0	0	0
Foreign Agricultural Service[3]	1,067	978	0	0	89	0	0	0	0	0
Forest Service	35,200	27,482	28	0	7,350	0	28	0	210	102
Nat'l Agricultural Statistics Svc	1,216	1,216	0	0	0	0	0	0	0	0
Department of Commerce, total	48,627	42,490	584	0	4,943	145	465	0	0	0
Bureau of the Census	367	367	0	0	0	0	0	0	0	0
National Institute of Standards & Technology	48,260	42,123	584	0	4,943	145	465	0	0	0
Department of Defense, total	1,196,084	300,468	114,754	773	729,654	4,114	35,016	1,385	0	9,920
Department of the Army	211,260	120,865	11,614	0	75,475	0	2,079	0	0	1,227
Department of the Navy	402,606	136,567	26,904	95	203,398	1,102	27,671	0	0	6,869
Department of the Air Force	239,872	33,021	26,654	0	176,552	0	2,130	25	0	1,490
Defense agencies, total	342,346	10,015	49,582	678	274,229	3,012	3,136	1,360	0	334
Advanced Rsch Projects Agency	88,884	2,697	43,400	678	34,267	3,012	3,136	1,360	0	334
Washington Headquarters Svcs	253,462	7,318	6,182	0	239,962	0	0	0	0	0
Department of Education	5,363	144	0	0	4,219	0	1,000	0	0	0
Department of Energy	1,785,869	45,625	63,567	175,152	390,852	1,023,260	13,954	69,938	175	3,346
Dept of Health & Human Svcs, total	6,309,318	1,049,256	212,773	79,044	3,919,945	16,716	924,881	9,074	66,865	30,764
Agency for Health Care Policy & Research[4]	682	7	0	0	0	0	0	0	0	675
Health Resources & Svcs Admin	680	668	0	0	12	0	0	0	0	0
National Institutes of Health	6,307,956	1,048,581	212,773	79,044	3,919,933	16,716	924,881	9,074	66,865	30,089
Department of the Interior, total	76,012	67,116	1,935	0	5,286	1,675	0	0	0	0
Bureau of Mines	18,828	16,893	1,935	0	0	0	0	0	0	0
Geological Survey	42,791	38,691	0	0	2,500	1,600	0	0	0	0
National Biological Service[5]	13,773	11,192	0	0	2,581	0	0	0	0	0
National Park Service[5]	620	340	0	0	205	75	0	0	0	0

See explanatory information, if any, and SOURCE at end of table.

Table C-28. Estimated Federal obligations for basic research, by agency and performer: fiscal year 1996

[Dollars in thousands]

Page 2 of 2

Agency and subdivision	Total	Intra-mural	Extramural							
			United States and territories							Foreign
			Indus-trial firms	FFRDCs admin by in-dustrial firms	Univer-sities and colleges	FFRDCs admin by univs and colleges	Other nonprofit insti-tutions	FFRDCs admin by non-profit insti-tutions	State and local govts	
Department of Justice, total	6,040	500	1,000	0	1,100	0	3,190	0	250	0
Office of Justice Programs	6,040	500	1,000	0	1,100	0	3,190	0	250	0
Department of Labor, total	11,729	2,329	0	0	9,400	0	0	0	0	0
Bureau of Labor Statistics	11,500	2,300	0	0	9,200	0	0	0	0	0
Employment & Training Admin	229	29	0	0	200	0	0	0	0	0
Department of State[6]	5,000	93	0	0	0	0	4,907	0	0	0
Department of Transportation, total	1,872	492	538	0	591	0	168	0	83	0
Infrastructure Investment[7]	1,872	492	538	0	591	0	168	0	83	0
Department of the Treasury, total	45	45	0	0	0	0	0	0	0	0
Bureau of Engraving & Printing	45	45	0	0	0	0	0	0	0	0
Department of Veterans Affairs	13,000	13,000	0	0	0	0	0	0	0	0
Other agencies:										
Agency for International Dvlpmt	1,312	164	0	0	6	0	1,014	0	0	128
Environmental Protection Agency	119,742	26,688	40,809	0	6,581	0	0	0	45,664	0
Library of Congress	445	445	0	0	0	0	0	0	0	0
National Aeronautics & Space Admin	1,592,965	398,241	476,511	0	436,233	210,111	49,158	1,848	4,940	15,923
National Science Foundation	2,107,647	22,146	65,041	0	1,759,599	138,008	116,923	235	1,677	4,018
Smithsonian Institution	129,150	129,150	0	0	0	0	0	0	0	0
Tennessee Valley Authority	11,790	11,790	0	0	0	0	0	0	0	0

[1] The Human Nutrition Information Service merged with the Agricultural Research Service on February 20, 1994.

[2] The Cooperative State Research Service merged with the Extension Service on October 19, 1994, due to a reorganization within the Department of Agriculture.

[3] The Office of International Cooperation and Development became part of the Foreign Agricultural Service (FAS) in June of 1994. Data reported for FAS include funds appropriated to International Cooperation and Development programs within FAS as of fiscal year 1995.

[4] In fiscal year 1991 the Agency for Health Care Policy and Research became separate from the Office of the Assistant Secretary for Health.

[5] The National Biological Service's name changed from the National Biological Survey on January 5, 1995. As of fiscal year 1994, the National Biological Service performs all biological research activities formerly funded by the US Fish & Wildlife Service and the National Park Service.

[6] Increases in outlays and obligations reported by the Department of State during the Vol. 44 survey cycle reflect reporting of monies received through interagency agreements from the Agency for International Development. The Department of State transfers these outlays and obligations to other R&D performers.

[7] Monies estimated for fiscal year 1996 by Infrastructure Investment represent a proposed consolidation of several agencies within the Department of Transportation.

NOTE: Data for only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal Funds Survey, refer to appendix A.

KEY: FFRDCs = Federally funded research and development centers

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1994, 1995, and 1996

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Table C-29. Federal obligations for basic research, by detailed field of science and engineering: fiscal years 1994, 1995, and 1996

[Dollars in thousands]

Page 1 of 1

Field of science and engineering	1994	Estimates	
		1995	1996
Total, all fields	13,552,850	13,569,087	14,037,351
Life sciences, total	6,429,775	6,610,831	6,845,466
Biological (excluding environmental)	3,094,212	3,199,565	3,332,950
Environmental biology	218,740	226,084	238,489
Agricultural	370,812	375,922	373,904
Medical	2,592,659	2,673,081	2,750,611
Life sciences, n.e.c.	153,352	136,179	149,512
Psychology, total	247,360	259,917	264,128
Biological aspects	23,603	25,387	25,291
Social aspects	16,252	18,062	17,442
Psychological sciences, n.e.c.	207,505	216,468	221,395
Physical sciences, total	3,649,170	3,295,519	3,447,584
Astronomy	1,784,583	1,346,919	1,411,799
Chemistry	502,580	523,579	524,627
Physics	1,290,301	1,348,524	1,442,978
Physical sciences, n.e.c.	71,706	76,497	68,180
Environmental sciences, total	997,170	999,383	1,015,053
Atmospheric	350,067	353,231	370,816
Geological	342,849	324,089	331,076
Oceanography	159,818	159,404	165,776
Environmental sciences, n.e.c.	144,436	162,659	147,385
Mathematics & computer sciences, total	503,608	547,617	569,064
Mathematics	244,394	264,122	268,666
Computer sciences	236,607	247,942	263,352
Mathematics & computer sciences, n.e.c.	22,607	35,553	37,046
Engineering, total	1,061,702	1,157,595	1,173,109
Aeronautical	83,248	84,313	83,099
Astronautical	12,128	17,290	18,898
Chemical	67,508	69,782	66,969
Civil	56,844	67,306	65,125
Electrical	175,633	185,369	204,630
Mechanical	129,229	148,930	152,916
Metallurgy & materials	316,394	330,079	344,980
Engineering, n.e.c.	220,718	254,526	236,492
Social sciences, total	191,690	201,825	207,104
Anthropology	10,287	11,108	11,660
Economics	40,321	42,484	42,705
Political science	7,890	7,917	8,093
Sociology	14,179	14,804	14,862
Social sciences, n.e.c.	119,013	125,512	129,784
Other sciences, n.e.c.	472,375	496,400	515,843

NOTE: Data for only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal Funds Survey, refer to appendix A.

KEY: n.e.c. = Not elsewhere classified

SOURCE: National Science Foundation/SRS, *Survey of Federal Funds for Research and Development: Fiscal Years 1994, 1995, and 1996*

Table C-30. Federal obligations for basic research, by agency and field of science and engineering: fiscal year 1994

[Dollars in thousands]

Page 1 of 2

Agency and subdivision	Total	Life sciences	Psychology	Physical sciences	Environmental sciences	Mathematics and computer sciences	Engineering	Social sciences	Other sciences, n.e.c.
Total, all agencies	13,552,858	6,429,775	247,360	3,649,178	997,170	503,608	1,061,702	191,690	472,375
Departments:									
Department of Agriculture, total	606,255	515,244	45	44,563	3,531	3,459	13,216	25,944	253
Agricultural Research Service[1]	366,483	331,252	0	29,131	1,845	1,648	2,607	0	0
Cooperative State Research, Education, & Extension Svc[2]	194,682	160,201	0	13,150	959	0	5,793	14,579	0
Economic Research Service	9,939	0	0	0	0	0	0	9,939	0
Foreign Agricultural Service[3]	581	581	0	0	0	0	0	0	0
Forest Service	33,300	23,210	45	2,282	727	541	4,816	1,426	253
Nat'l Agricultural Statistics Svc	1,270	0	0	0	0	1,270	0	0	0
Department of Commerce, total	40,119	122	59	29,682	298	1,401	8,557	0	0
Bureau of the Census	309	0	59	0	0	250	0	0	0
National Institute of Standards & Technology	39,810	122	0	29,682	298	1,151	8,557	0	0
Department of Defense, total	1,222,258	185,660	25,591	207,959	183,888	146,607	460,762	1,530	10,261
Department of the Army	213,270	58,616	5,833	35,407	15,870	22,539	73,221	1,530	254
Department of the Navy	400,144	36,294	17,117	76,052	112,568	38,088	110,155	0	9,870
Department of the Air Force	242,384	22,462	0	61,629	46,861	30,747	80,685	0	0
Defense agencies, total	366,460	68,288	2,641	34,871	8,589	55,233	196,701	0	137
Advanced Rsch Projects Agency	77,274	1,217	0	510	0	32,929	42,481	0	137
Uniformed Svcs University of the Health Sciences	848	848	0	0	0	0	0	0	0
Washington Headquarters Svcs	288,338	66,223	2,641	34,361	8,589	22,304	154,220	0	0
Department of Education	5,519	1,496	0	0	0	0	0	4,023	0
Department of Energy	1,603,223	169,112	0	1,067,332	148,623	96,819	119,057	0	2,280
Dept of Health & Human Svcs, total	5,883,983	5,121,245	207,176	122,046	0	25,846	70,659	51,152	285,859
Agency for Health Care Policy & Research[4]	811	0	0	0	0	0	0	210	601
Health Resources & Svcs Admin	802	802	0	0	0	0	0	0	0
National Institutes of Health	5,882,370	5,120,443	207,176	122,046	0	25,846	70,659	50,942	285,258
Department of the Interior, total	83,222	13,666	0	670	45,498	0	23,388	0	0
Bureau of Mines	25,421	0	0	0	2,033	0	23,388	0	0
Geological Survey	43,465	0	0	0	43,465	0	0	0	0
National Biological Service[5]	13,666	13,666	0	0	0	0	0	0	0
National Park Service[5]	670	0	0	670	0	0	0	0	0

See explanatory information, if any, and SOURCE at end of table.

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Table C-30. Federal obligations for basic research, by agency and field of science and engineering: fiscal year 1994

[Dollars in thousands]

Page 2 of 2

Agency and subdivision	Total	Life sciences	Psy-chology	Physical sciences	Environ-mental sciences	Mathe-matics and computer sciences	Engi-neering	Social sciences	Other sciences, n.e.c.
Department of Justice, total	5,857	0	50	0	0	0	0	4,507	1,300
Office of Justice Programs	5,857	0	50	0	0	0	0	4,507	1,300
Department of Labor, total	5,829	0	0	0	0	0	0	5,829	0
Bureau of Labor Statistics	5,600	0	0	0	0	0	0	5,600	0
Employment & Training Admin	229	0	0	0	0	0	0	229	0
Department of State[6]	7,849	0	0	0	0	0	0	7,849	0
Department of Transportation, total	3,007	0	0	0	0	50	1,840	117	1,000
Federal Highway Administration	3,007	0	0	0	0	50	1,840	117	1,000
Department of the Treasury, total	21	0	0	21	0	0	0	0	0
Bureau of Engraving & Printing	21	0	0	21	0	0	0	0	0
Department of Veterans Affairs	14,373	13,994	379	0	0	0	0	0	0
Other agencies:									
Agency for International Dvlpmt	1,775	1,693	0	0	0	0	0	0	82
Environmental Protection Agency	101,360	25,646	0	0	61,608	0	14,106	0	0
Library of Congress	434	0	0	0	0	0	0	0	434
National Aeronautics & Space Admin	1,963,909	28,102	3,387	1,693,178	120,524	15,014	75,306	162	28,236
National Archives & Records Admin	150	0	0	150	0	0	0	0	0
National Science Foundation	1,870,669	296,940	10,673	448,525	427,590	214,412	274,811	56,684	141,034
Smithsonian Institution	124,176	48,457	0	34,580	5,610	0	0	33,893	1,636
Tennessee Valley Authority	8,870	8,398	0	472	0	0	0	0	0

[1] The Human Nutrition Information Service merged with the Agricultural Research Service on February 20, 1994.

[2] The Cooperative State Research Service merged with the Extension Service on October 19, 1994, due to a reorganization within the Department of Agriculture.

[3] The Office of International Cooperation and Development became part of the Foreign Agricultural Service (FAS) in June of 1994. Data reported for FAS include funds appropriated to International Cooperation and Development programs within FAS as of fiscal year 1995.

[4] In fiscal year 1991 the Agency for Health Care Policy and Research became separate from the Office of the Assistant Secretary for Health.

[5] The National Biological Service's name changed from the National Biological Survey on January 5, 1995. As of fiscal year 1994, the National Biological Service performs all biological research activities formerly funded by the US Fish & Wildlife Service and the National Park Service.

[6] Increases in outlays and obligations reported by the Department of State during the Vol. 44 survey cycle reflect reporting of monies received through interagency agreements from the Agency for International Development. The Department of State transfers these outlays and obligations to other R&D performers.

NOTE: Data for only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal Funds Survey, refer to appendix A.

KEY: n.e.c. = Not elsewhere classified

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1994, 1995, and 1996

Table C-31. Estimated Federal obligations for basic research, by agency and field of science and engineering: fiscal year 1995

[Dollars in thousands]

Page 1 of 2

Agency and subdivision	Total	Life sciences	Psychology	Physical sciences	Environmental sciences	Mathematics and computer sciences	Engineering	Social sciences	Other sciences, n.e.c.
Total, all agencies	13,569,087	6,610,831	259,917	3,295,519	999,383	547,617	1,157,595	201,825	496,400
Departments									
Department of Agriculture, total	603,121	517,422	46	43,539	3,923	3,388	13,639	20,903	261
Agricultural Research Service[1]	369,293	333,711	0	28,617	2,259	1,638	3,068	0	0
Cooperative State Research, Education, & Extension Svc[2]	191,915	158,737	0	12,572	915	0	5,610	14,081	0
Economic Research Service	5,353	0	0	0	0	0	0	5,353	0
Foreign Agricultural Service[3]	1,067	1,067	0	0	0	0	0	0	0
Forest Service	34,300	23,907	46	2,350	749	557	4,961	1,469	261
Nat'l Agricultural Statistics Svc	1,193	0	0	0	0	1,193	0	0	0
Department of Commerce, total	45,444	0	69	31,240	307	1,718	12,110	0	0
Bureau of the Census	365	0	69	0	0	296	0	0	0
National Institute of Standards & Technology	45,079	0	0	31,240	307	1,422	12,110	0	0
Department of Defense, total	1,281,977	157,175	29,006	222,981	180,367	163,178	515,339	1,204	12,727
Department of the Army	229,962	57,143	5,326	37,031	21,586	18,371	88,262	1,204	1,039
Department of the Navy	415,083	39,828	19,083	77,382	101,015	44,826	122,123	0	10,826
Department of the Air Force	228,124	21,277	0	58,453	31,885	33,412	83,016	0	81
Defense agencies, total	408,808	38,927	4,597	50,115	25,881	66,569	221,938	0	781
Advanced Rsch Projects Agency	83,224	0	0	0	0	22,691	59,752	0	781
Washington Headquarters Svcs	325,584	38,927	4,597	50,115	25,881	43,878	162,186	0	0
Department of Education	5,800	1,603	0	0	0	0	0	4,197	0
Department of Energy	1,693,812	184,517	0	1,117,776	159,424	108,117	121,985	0	1,993
Dept of Health & Human Svcs, total	6,085,178	5,296,407	214,268	126,223	0	26,731	73,078	52,882	295,589
Agency for Health Care Policy & Research[4]	762	0	0	0	0	0	0	196	566
Health Resources & Svcs Admin	680	680	0	0	0	0	0	0	0
National Institutes of Health	6,083,736	5,295,727	214,268	126,223	0	26,731	73,078	52,686	295,023
Department of the Interior, total	79,225	13,692	0	670	43,665	0	21,198	0	0
Bureau of Mines	23,265	0	0	0	2,067	0	21,198	0	0
Geological Survey	41,598	0	0	0	41,598	0	0	0	0
National Biological Service[5]	13,692	13,692	0	0	0	0	0	0	0
National Park Service[5]	670	0	0	670	0	0	0	0	0

See explanatory information, if any, and SOURCE at end of table.

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Table C-31. Estimated Federal obligations for basic research, by agency and field of science and engineering: fiscal year 1995

[Dollars in thousands]

Page 2 of 2

Agency and subdivision	Total	Life sciences	Psy-chology	Physical sciences	Environ-mental sciences	Mathe-matics and computer sciences	Engi-neering	Social sciences	Other sciences, n.e.c.
Department of Justice, total	5,685	0	350	0	0	0	0	4,585	750
Office of Justice Programs	5,685	0	350	0	0	0	0	4,585	750
Department of Labor, total	11,829	0	0	0	0	0	0	11,829	0
Bureau of Labor Statistics	11,600	0	0	0	0	0	0	11,600	0
Employment & Training Admin	229	0	0	0	0	0	0	229	0
Department of State[6]	6,013	0	0	0	0	0	0	6,013	0
Department of Transportation, total	3,528	0	0	0	0	52	1,472	104	1,900
Federal Highway Administration	3,528	0	0	0	0	52	1,472	104	1,900
Department of the Treasury, total	26	0	0	26	0	0	0	0	0
Bureau of Engraving & Printing	26	0	0	26	0	0	0	0	0
Department of Veterans Affairs	13,500	13,121	379	0	0	0	0	0	0
Other agencies:									
Agency for International Dvlpmt	697	602	0	0	0	0	0	0	95
Environmental Protection Agency	102,154	28,241	0	0	43,715	0	30,198	0	0
Library of Congress	442	0	0	0	0	0	0	0	442
National Aeronautics & Space Admin	1,536,097	29,086	3,506	1,255,892	124,742	15,539	77,940	168	29,224
National Science Foundation	1,960,419	311,169	12,290	462,647	437,496	228,894	290,636	65,536	151,748
Smithsonian Institution	125,150	49,291	0	34,040	5,744	0	0	34,404	1,671
Tennessee Valley Authority	8,990	8,505	0	485	0	0	0	0	0

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[2] The Cooperative State Research Service merged with the Extension Service on October 13, 1994, due to a reorganization within the Department of Agriculture.

[3] The Office of International Cooperation and Development became part of the Foreign Agricultural Service (FAS) in June of 1994. Data reported for FAS include funds appropriated to International Cooperation and Development programs within FAS as of fiscal year 1995.

[4] In fiscal year 1991 the Agency for Health Care Policy and Research became seperate from the Office of the Assistant Secretary for Health.

[5] The National Biological Service's name changed from the National Biological Survey on January 5, 1995. As of fiscal year 1994, the National Biological Service performs all biological research activities formerly funded by the US Fish & Wildlife Service and the National Park Service.

[6] Increases in outlays and obligations reported by the Department of State during the Vol. 44 survey cycle reflect reporting of monies received through interagency agreements from the Agency for International Development. The Department of State transfers these outlays and obligations to other R&D performers.

NOTE: Data for only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal Funds Survey, refer to appendix A.

KEY: n.e.c. = Not elsewhere classified

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1994, 1995, and 1996

Table C-32. Estimated Federal obligations for basic research, by agency and field of science and engineering: fiscal year 1996

[Dollars in thousands]

Page 1 of 2

Agency and subdivision	Total	Life sciences	Psychology	Physical sciences	Environmental sciences	Mathematics and computer sciences	Engineering	Social sciences	Other sciences, n.e.c.
Total, all agencies	14.037.351	6.845.466	264.128	3.447.584	1.015.053	569.064	1.173.109	207.104	515.843
Departments:									
Department of Agriculture, total	615.341	525.512	47	46.983	4.255	3.456	14.027	20.793	268
Agricultural Research Service[1]	368.077	328.339	0	32.180	2.629	1,669	3.260	0	0
Cooperative State Research, Education, & Extension Svc[2]	204.315	171.571	0	12.391	857	0	5.676	13.820	0
Economic Research Service	5.466	0	0	0	0	0	0	5,466	0
Foreign Agricultural Service[3]	1.067	1,067	0	0	0	0	0	0	0
Forest Service	35.200	24.535	47	2.412	769	571	5.091	1.507	268
Nat'l Agricultural Statistics Svc	1.216	0	0	0	0	1,216	0	0	0
Department of Commerce, total	48.627	0	69	33.783	315	1,756	12.704	0	0
Bureau of the Census	367	0	69	0	0	298	0	0	0
National Institute of Standards & Technology	48.260	0	0	33.783	315	1.458	12.704	0	0
Department of Defense, total	1.196.084	151.913	24.213	196.420	148.780	166.865	493.697	1.249	12.947
Department of the Army	211.260	34.176	5.362	29.721	15.385	33.297	92.070	1.249	0
Department of the Navy	402.606	37.871	16.659	76.901	97.088	42.990	118.150	0	12.947
Department of the Air Force	239.872	23.262	0	61.281	29.179	36.846	89.304	0	0
Defense agencies, total	342.346	56.604	2.192	28.517	7.128	53.732	194.173	0	0
Advanced Rsch Projects Agency	88.884	0	0	0	0	29.622	59.262	0	0
Washington Headquarters Svcs	253.462	56.604	2.192	28.517	7.128	24.110	134.911	0	0
Department of Education	5.363	1.522	0	0	0	0	0	3.841	0
Department of Energy	1.785.869	188.156	0	1.190.812	166.130	108.688	130.929	0	1.154
Dept of Health & Human Svcs, total	6.309.318	5.491.583	222.166	130.876	0	27.716	75.771	54.628	306.578
Agency for Health Care Policy & Research[4]	682	0	0	0	0	0	0	0	682
Health Resources & Svcs Admin	680	680	0	0	0	0	0	0	0
National Institutes of Health	6.307.956	5.490.903	222.166	130.876	0	27.716	75.771	54.628	305.896
Department of the Interior, total	76.012	13.773	0	620	44.585	0	17.034	0	0
Bureau of Mines	18.828	0	0	0	1.794	0	17.034	0	0
Geological Survey	42.791	0	0	0	42.791	0	0	0	0
National Biological Service[5]	13.773	13.773	0	0	0	0	0	0	0
National Park Service[5]	620	0	0	620	0	0	0	0	0

See explanatory information, if any, and SOURCE at end of table.

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Table C-32. Estimated Federal obligations for basic research, by agency and field of science and engineering: fiscal year 1996

[Dollars in thousands]

Page 2 of 2

Agency and subdivision	Total	Life sciences	Psychology	Physical sciences	Environmental sciences	Mathematics and computer sciences	Engineering	Social sciences	Other sciences, n.e.c.
Department of Justice, total	6,040	0	550	0	0		0	4,740	750
Office of Justice Programs	6,040	0	550	0	0	0	0	4,740	750
Department of Labor, total	11,729	0	0	0	0	0	0	11,729	0
Bureau of Labor Statistics	11,500	0	0	0	0	0	0	11,500	0
Employment & Training Admin	229	0	0	0	0	0	0	229	0
Department of State[6]	5,000	0	0	0	0	0	0	5,000	0
Department of Transportation, total	1,872	0	0	0	0	31	1,145	73	623
Infrastructure Investment[7]	1,872	0	0	0	0	31	1,145	73	623
Department of the Treasury, total	45	0	0	45	0	0	0	0	0
Bureau of Engraving & Printing	45	0	0	45	0	0	0	0	0
Department of Veterans Affairs	13,000	12,641	359	0	0	0	0	0	0
Other agencies:									
Agency for International Dvlpmt	1,312	1,306	0	0	0	0	0	0	6
Environmental Protection Agency	119,742	33,123	0	0	51,228	0	35,391	0	0
Library of Congress	445	0	0	0	0	0	0	0	445
National Aeronautics & Space Admin	1,592,965	29,086	3,506	1,312,760	124,742	15,539	77,940	168	29,224
National Science Foundation	2,107,647	334,820	13,218	499,396	469,083	245,013	314,471	69,530	162,116
Smithsonian Institution	129,150	50,831	0	35,299	5,935	0	0	35,353	1,732
Tennessee Valley Authority	11,790	11,200	0	590	0	0	0	0	0

[1] The Human Nutrition Information Service merged with the Agricultural Research Service on February 20, 1994.

[2] The Cooperative State Research Service merged with the Extension Service on October 19, 1994, due to a reorganization within the Department of Agriculture.

[3] The Office of International Cooperation and Development became part of the Foreign Agricultural Service (FAS) in June of 1994. Data reported for FAS include funds appropriated to International Cooperation and Development programs within FAS as of fiscal year 1995.

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[6] Increases in outlays and obligations reported by the Department of State during the Vol. 44 survey cycle reflect reporting of monies received through interagency agreements from the Agency for International Development. The Department of State transfers these outlays and obligations to other R&D performers.

[7] Monies estimated for fiscal year 1996 by Infrastructure Investment represent a proposed consolidation of several agencies within the Department of Transportation.

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KEY: n.e.c. = Not elsewhere classified

SOURCE: National Science Foundation/SRS. Survey of Federal Funds for Research and Development: Fiscal Years 1994, 1995, and 1996

Table C-33. Federal obligations for basic research in psychology and life sciences, by agency and detailed field of science: fiscal year 1994

[Dollars in thousands]

Page 1 of 1

Agency and subdivision	Psychology				Life sciences					
	Total	Biological aspects	Social aspects	Psychological sciences, n.e.c.	Total	Biological	Environmental biology	Agricultural	Medical	Life sciences, n.e.c.
Total, all agencies	247.360	23.603	16.252	207.505	6.429.775	3.094.212	218.740	370.812	2.592.659	153.352
Departments:										
Department of Agriculture, total	45	0	45	0	515.244	78.848	59.203	360.240	16.953	0
Agricultural Research Service[1]	0	0	0	0	331,252	24.631	22.972	274,417	9.232	0
Cooperative State Research, Education, & Extension Svc[2]	0	0	0	0	160.201	47.927	21,517	84.748	6.009	0
Foreign Agricultural Service[3]	0	0	0	0	581	0	0	581	0	0
Forest Service	45	0	45	0	23.210	6.290	14.714	494	1,712	0
Department of Commerce, total	59	0	59	0	122	122	0	0	0	0
Bureau of the Census	59	0	59	0	0	0	0	0	0	0
National Institute of Standards & Technology	0	0	0	0	122	122	0	0	0	0
Department of Defense, total	25.591	9.024	8.638	7.929	185.660	40.905	27,172	0	72.243	45.340
Department of the Army	5.833	83	3.146	2.604	58.616	5.039	1.603	0	51.244	730
Department of the Navy	17,117	8.941	5.492	2.684	36.294	16.384	12.218	0	7.692	0
Department of the Air Force	0	0	0	0	22.462	14.047	8.351	0	64	0
Defense agencies, total	2.641	0	0	2.641	68.288	5.435	5.000	0	13.243	44.610
Advanced Rsch Projects Agency	0	0	0	0	1.217	197	0	0	631	389
Uniformed Svcs University of the Health Sciences	0	0	0	0	848	238	0	0	610	0
Washington Headquarters Svcs	2.641	0	0	2.641	66.223	5.000	5.000	0	12.002	44.221
Department of Education	0	0	0	0	1.496	0	0	0	0	1.496
Department of Energy	0	0	0	0	169.112	160.019	0	0	0	9.093
Dept of Health & Human Svcs, total	207.176	10.416	2.225	194.535	5.121.245	2.549.470	59	0	2.483.259	88.457
Health Resources & Svcs Admin	0	0	0	0	802	0	0	0	802	0
National Institutes of Health	207.176	10.416	2.225	194.535	5.120.443	2.549.470	59	0	2.482.457	88.457
Department of the Interior, total	0	0	0	0	13.666	7.243	6.423	0	0	0
National Biological Service[4]	0	0	0	0	13.666	7.243	6.423	0	0	0
Department of Justice, total	50	0	50	0	0	0	0	0	0	0
Office of Justice Programs	50	0	50	0	0	0	0	0	0	0
Department of Veterans Affairs	379	379	0	0	13.994	4.058	0	0	9.936	0
Other agencies:										
Agency for International Dvlpmt	0	0	0	0	1.693	0	0	1.293	400	0
Environmental Protection Agency	0	0	0	0	25.646	0	21.014	0	4.632	0
National Aeronautics & Space Admin	3.387	73	397	2.917	28.102	13.422	1.110	881	5.236	7.453
National Science Foundation	10.673	3.711	4.838	2.124	296.940	219.279	76.148	0	0	1.513
Smithsonian Institution	0	0	0	0	48.457	20.846	27.611	0	0	0
Tennessee Valley Authority	0	0	0	0	8.398	0	0	8.398	0	0

[1] The Human Nutrition Information Service merged with the Agricultural Research Service on February 20, 1994.

[2] The Cooperative State Research Service merged with the Extension Service on October 19, 1994, due to a reorganization within the Department of Agriculture.

[3] The Office of International Cooperation and Development became part of the Foreign Agricultural Service (FAS) in June of 1994. Data reported for FAS include funds appropriated to International Cooperation and Development programs within FAS as of fiscal year 1995.

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KEY: n.e.c. = Not elsewhere classified

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1994, 1995, and 1996

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Table C-34. Federal obligations for basic research in physical and environmental sciences, by agency and detailed field of science: fiscal year 1994

[Dollars in thousands]

Agency and subdivision	Physical sciences					Environmental sciences				
	Total	Astronomy	Chemistry	Physics	Physical sciences, n.e.c.	Total	Atmospheric	Geological	Oceanography	Environmental sciences, n.e.c.
Total, all agencies	3,649,178	1,784,583	502,588	1,290,301	71,706	997,170	350,067	342,849	159,818	144,436
Departments:										
Department of Agriculture, total	44,563	0	43,113	1,450	0	3,531	3,305	226	0	0
Agricultural Research Service[1]	29,131	0	28,036	1,095	0	1,845	1,727	118	0	0
Cooperative State Research, Education, & Extension Svc[2]	13,150	0	13,150	0	0	959	959	0	0	0
Forest Service	2,282	0	1,927	355	0	727	619	108	0	0
Department of Commerce, total	29,682	377	12,007	17,205	93	298	0	298	0	0
National Institute of Standards & Technology	29,682	377	12,007	17,205	93	298	0	298	0	0
Department of Defense, total	207,959	13,182	78,768	98,621	17,388	183,888	37,827	73,431	61,900	10,730
Department of the Army	35,407	149	12,965	20,197	2,096	15,870	8,272	5,179	278	2,141
Department of the Navy	76,052	4,592	25,251	46,209	0	112,568	14,442	36,504	61,622	0
Department of the Air Force	61,629	8,441	30,042	22,215	931	46,861	15,113	31,748	0	0
Defense agencies, total	34,871	0	10,510	10,000	14,361	8,589	0	0	0	8,589
Advanced Rsch Projects Agency	510	0	510	0	0	0	0	0	0	0
Washington Headquarters Svcs	34,361	0	10,000	10,000	14,361	8,589	0	0	0	8,589
Department of Energy	1,067,332	0	114,604	946,397	6,331	148,623	94,617	46,017	6,783	1,206
Dept of Health & Human Svcs, total	122,046	0	108,186	13,860	0	0	0	0	0	0
National Institutes of Health	122,046	0	108,186	13,860	0	0	0	0	0	0
Department of the Interior, total	670	0	670	0	0	45,498	0	45,396	0	102
Bureau of Mines	0	0	0	0	0	2,033	0	1,931	0	102
Geological Survey	0	0	0	0	0	43,465	0	43,465	0	0
National Park Service[3]	670	0	670	0	0	0	0	0	0	0
Department of the Treasury, total	21	0	21	0	0	0	0	0	0	0
Bureau of Engraving & Printing	21	0	21	0	0	0	0	0	0	0
Other agencies:										
Environmental Protection Agency	0	0	0	0	0	61,608	27,437	3,792	126	30,253
National Aeronautics & Space Admin	1,693,178	1,616,390	5,138	48,826	22,824	120,524	48,439	20,105	13,091	38,889
National Archives & Records Admin	150	0	0	150	0	0	0	0	0	0
National Science Foundation	448,525	121,969	138,975	162,511	25,070	427,590	138,362	148,423	77,549	63,256
Smithsonian Institution	34,580	32,665	634	1,281	0	5,610	80	5,161	369	0
Tennessee Valley Authority	472	0	472	0	0	0	0	0	0	0

[1] The Human Nutrition Information Service merged with the Agricultural Research Service on February 20, 1994.

[2] The Cooperative State Research Service merged with the Extension Service on October 19, 1994, due to a reorganization within the Department of Agriculture.

[3] The National Biological Service's name changed from the National Biological Survey on January 5, 1995. As of fiscal year 1994, the National Biological Service performs all biological research activities formerly funded by the US Fish & Wildlife Service and the National Park Service.

NOTE: Data for only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal Funds Survey, refer to appendix A.

KEY: n.e.c. = Not elsewhere classified

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1994, 1995, and 1996

Table C-35. Federal obligations for basic research in engineering, by agency and detailed field of engineering: fiscal year 1994

[Dollars in thousands]

Page 1 of 1

Agency and subdivision	Total	Aeronautical	Astronautical	Chemical	Civil	Electrical	Mechanical	Metallurgy and materials	Engineering, n.e.c.
Total, all agencies	1,061,702	83,248	12,128	67,508	56,644	175,833	129,229	316,394	220,718
Departments:									
Department of Agriculture, total	13,216	0	0	1,910	1,019	201	464	0	9,622
Agricultural Research Service[1]	2,607	0	0	1,240	700	194	216	0	257
Cooperative State Research, Education, & Extension Svc[2]	5,793	0	0	0	0	0	0	0	5,793
Forest Service	4,816	0	0	670	319	7	248	0	3,572
Department of Commerce, total	8,557	0	0	891	319	897	0	1,917	4,533
National Institute of Standards & Technology	8,557	0	0	891	319	897	0	1,917	4,533
Department of Defense, total	460,762	51,932	4,069	6,038	28,083	120,731	76,705	106,843	66,361
Department of the Army	73,221	9,899	130	2,089	8,083	23,723	13,586	11,659	4,052
Department of the Navy	110,155	0	0	0	0	40,327	31,473	38,355	0
Department of the Air Force	80,685	22,033	3,939	1,214	0	23,931	11,646	12,922	0
Defense agencies, total	196,701	20,000	0	2,735	20,000	27,750	20,000	43,907	62,309
Advanced Rsch Projects Agency	42,481	0	0	2,735	0	7,750	0	23,907	8,089
Washington Headquarters Svcs	154,220	20,000	0	0	20,000	20,000	20,000	20,000	54,220
Department of Energy	119,057	0	0	30,607	0	500	15,744	61,798	10,408
Dept of Health & Human Svcs, total	70,659	0	0	0	0	0	0	0	70,659
National Institutes of Health	70,659	0	0	0	0	0	0	0	70,659
Department of the Interior, total	23,388	0	0	0	0	0	0	23,388	0
Bureau of Mines	23,388	0	0	0	0	0	0	23,388	0
Department of Transportation, total	1,840	0	0	0	1,840	0	0	0	0
Federal Highway Administration	1,840	0	0	0	1,840	0	0	0	0
Other agencies:									
Environmental Protection Agency	14,106	0	0	665	0	0	0	0	13,441
National Aeronautics & Space Admin	75,306	29,028	8,059	2,414	208	4,982	9,523	13,303	7,789
National Science Foundation	274,811	2,288	0	24,983	25,175	48,522	26,793	109,145	37,905

[1] The Human Nutrition Information Service merged with the Agricultural Research Service on February 20, 1994.

[2] The Cooperative State Research Service merged with the Extension Service on October 19, 1994, due to a reorganization within the Department of Agriculture.

NOTE: Data for only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal Funds Survey, refer to appendix A.

KEY: n.e.c. = Not elsewhere classified

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1994, 1995, and 1996

Table C-36. Federal obligations for basic research in mathematics and computer sciences and in social sciences, by agency and detailed field of science: fiscal year 1994

[Dollars in thousands]

Page 1 of 1

Agency and subdivision	Mathematics and computer sciences				Social sciences					
	Total	Mathematics	Computer sciences	Mathematics and computer sciences, n.e.c.	Total	Anthropology	Economics	Political science	Sociology	Social sciences, n.e.c.
Total, all agencies	503.608	244.394	236.807	22.607	191.690	10.287	40.321	7.890	14.179	119.013
Departments:										
Department of Agriculture, total	3.459	1.877	1.582	0	25.944	39	22.891	0	3.014	0
Agricultural Research Service[1]	1.648	66	1.582	0	0	0	0	0	0	0
Cooperative State Research, Education, & Extension Svc[2]	0	0	0	0	14.579	0	11.702	0	2.877	0
Economic Research Service	0	0	0	0	9.939	0	9.939	0	0	0
Forest Service	541	541	0	0	1.426	39	1.250	0	137	0
Nat'l Agricultural Statistics Svc	1.270	1.270	0	0	0	0	0	0	0	0
Department of Commerce, total	1.401	435	706	260	0	0	0	0	0	0
Bureau of the Census	250	250	0	0	0	0	0	0	0	0
National Institute of Standards & Technology	1.151	185	706	260	0	0	0	0	0	0
Department of Defense, total	146.607	56.416	74.209	15.982	1.530	70	0	0	0	1.460
Department of the Army	22.539	11.299	10.621	619	1.530	70	0	0	0	1.460
Department of the Navy	38.088	19.575	18.513	0	0	0	0	0	0	0
Department of the Air Force	30.747	20.458	7.741	2.548	0	0	0	0	0	0
Defense agencies, total	55.233	5.084	37.334	12.815	0	0	0	0	0	0
Advanced Rsch Projects Agency	32.929	84	32.334	511	0	0	0	0	0	0
Washington Headquarters Svcs	22.304	5.000	5.000	12.304	0	0	0	0	0	0
Department of Education	0	0	0	0	4.023	0	0	0	0	4.023
Department of Energy	96.819	80.160	16.659	0	0	0	0	0	0	0
Dept of Health & Human Svcs, total	25.846	25.155	691	0	51,152	0	0	0	210	50.942
Agency for Health Care Policy & Research[3]	0	0	0	0	210	0	0	0	210	0
National Institutes of Health	25.846	25.155	691	0	50.942	0	0	0	0	50.942
Department of Justice, total	0	0	0	0	4.507	50	75	100	3.882	400
Office of Justice Programs	0	0	0	0	4.507	50	75	100	3.882	400
Department of Labor, total	0	0	0	0	5.829	0	5.829	0	0	0
Bureau of Labor Statistics	0	0	0	0	5.600	0	5.600	0	0	0
Employment & Training Admin	0	0	0	0	229	0	229	0	0	0
Department of State[4]	0	0	0	0	7.849	628	1.962	3 140	1.177	942
Department of Transportation, total	50	0	50	0	117	0	0	0	0	117
Federal Highway Administration	50	0	50	0	117	0	0	0	0	117
Other agencies:										
National Aeronautics & Space Admin	15.014	689	11.770	2.555	162	0	0	0	87	75
National Science Foundation	214.412	79.662	130.940	3.810	56.684	6.072	9.564	4.650	5.331	31.067
Smithsonian Institution	0	0	0	0	33.893	3.428	0	0	478	29.987

[1] The Human Nutrition Information Service merged with the Agricultural Research Service on February 20, 1994.

[2] The Cooperative State Research Service merged with the Extension Service on October 19, 1994, due to a reorganization within the Department of Agriculture.

[3] In fiscal year 1991 the Agency for Health Care Policy and Research became separate from the Office of the Assistant Secretary for Health.

[4] Increases in outlays and obligations reported by the Department of State during the Vol. 44 survey cycle reflect reporting of monies received through interagency agreements from the Agency for International Development. The Department of State transfers these outlays and obligations to other R&D performers.

NOTE: Data for only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal Funds Survey, refer to appendix A.

KEY: n.e.c. = Not elsewhere classified

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1994, 1995, and 1996

Table C-37. Federal obligations for applied research, by agency and performer: fiscal year 1994

[Dollars in thousands]

Page 1 of 3

Agency and subdivision	Total	Intramural[1]	Extramural							
			United States and territories							Foreign
			Industrial firms	FFRDCs admin by industrial firms	Universities and colleges	FFRDCs admin by univs and colleges	Other nonprofit institutions	FFRDCs admin by nonprofit institutions	State and local govts	
Total, all agencies	13,887,494	4,983,209	2,954,381	499,572	3,299,303	845,075	969,229	104,009	155,533	77,183
Departments:										
Department of Agriculture, total	715,933	462,217	7,181	0	236,077	0	7,612	0	1,175	1,671
Agricultural Cooperative Service	3,734	3,462	0	0	272	0	0	0	0	0
Agricultural Marketing Service[2]	4,231	3,958	0	0	273	0	0	0	0	0
Agricultural Research Service[3]	257,895	245,016	0	0	9,584	0	1,608	0	164	1,523
Cooperative State Research, Education, & Extension Svc[4]	234,313	13,233	4,124	0	211,269	0	4,981	0	706	0
Economic Research Service	45,280	43,233	0	0	2,047	0	0	0	0	0
Grain Inspection Packers & Stockyards Administration[5]	1,791	1,791	0	0	0	0	0	0	0	0
Foreign Agricultural Service[6]	194	48	0	0	146	0	0	0	0	0
Forest Service	156,500	142,665	218	0	12,141	0	1,023	0	305	148
Human Nutrition Information Svc[3]	6,992	3,923	2,839	0	230	0	0	0	0	0
Nat'l Agricultural Statistics Svc	2,591	2,476	0	0	115	0	0	0	0	0
Rural Business & Coop Dvlpmt Svc	2,412	2,412	0	0	0	0	0	0	0	0
Department of Commerce, total	678,161	505,225	90,253	0	74,968	285	1,807	0	5,359	264
Bureau of the Census	2,533	2,533	0	0	0	0	0	0	0	0
Economic Development Admin	605	48	143	0	113	0	301	0	0	0
National Institute of Standards & Technology	167,488	129,885	30,525	0	5,997	275	544	0	0	262
National Oceanic & Atmospheric Administration	502,698	367,922	59,585	0	68,858	10	962	0	5,359	2
National Telecommunications & Information Administration	4,837	4,837	0	0	0	0	0	0	0	0
Department of Defense, total	3,039,950	1,243,909	1,302,524	11,064	350,154	68,869	39,063	10,705	0	13,662
Department of the Army	639,304	448,148	148,541	1,539	28,630	4,310	2,172	819	0	5,145
Department of the Navy	446,983	218,933	187,362	0	37,239	891	2,052	450	0	56
Department of the Air Force	571,917	333,921	198,211	779	32,654	1,100	3,080	1,889	0	283
Defense agencies, total	1,381,746	242,907	768,410	8,746	251,631	62,568	31,759	7,547	0	8,178
Advanced Rsch Projects Agency	851,753	47,509	513,702	4,380	213,395	37,832	27,582	4,783	0	2,570
Ballistic Missile Defense Organization	100,607	18,132	67,022	0	9,260	4,626	63	324	0	1,180
Defense Info Systems Agency	1,940	1,940	0	0	0	0	0	0	0	0
Defense Logistics Agency	8,897	8,897	0	0	0	0	0	0	0	0
Defense Nuclear Agency	232,655	45,674	158,239	4,366	5,231	15,649	1,934	400	0	1,162
Special Operations Command	33,347	17,586	15,761	0	0	0	0	0	0	0
Washington Headquarters Svcs	152,547	103,169	13,686	0	23,745	4,461	2,180	2,040	0	3,266
Department of Education	131,235	6,832	6,011	0	88,321	0	25,173	0	4,898	0
Department of Energy	1,679,243	173,261	153,178	412,399	164,962	663,572	36,387	73,577	1,248	659
Dept of Health & Human Svcs, total	3,852,458	950,505	212,401	39,678	1,959,027	8,331	579,951	7,836	78,443	16,286
Administration on Aging[7]	3,500	171	1,175	0	1,192	0	850	0	112	0
Admin for Children & Families[7]	10,436	209	0	0	9,183	0	996	0	48	0
Agency for Health Care Policy & Research[8]	141,225	27,466	34,711	0	55,175	0	23,873	0	0	0
Centers for Disease Control & Prevention	206,800	159,142	6,400	0	29,872	0	9,895	64	1,427	0
Food & Drug Administration	169,433	153,536	0	0	10,128	0	5,769	0	0	0
Health Care Financing Admin	79,959	875	15,689	0	7,359	0	27,267	0	28,769	0
Health Resources & Svcs Admin	9,779	1,943	0	0	6,553	0	1,283	0	0	0
National Institutes of Health	3,197,358	586,820	148,904	39,678	1,837,307	8,331	505,283	7,772	46,977	16,286
Office of the Secretary	11,741	5,665	3,022	0	877	0	2,177	0	0	0
Social Security Administration[9]	22,227	14,678	2,500	0	1,381	0	2,558	0	1,110	0

See explanatory information, if any, and SOURCE at end of table.

Table C-37. Federal obligations for applied research, by agency and performer: fiscal year 1994

[Dollars in thousands]

Agency and subdivision	Total	Intra-mural [1]	Extramural							
			United States and territories							Foreign
			Indus-trial firms	FFRDCs admin by in-dustrial firms	Univer-sities and colleges	FFRDCs admin by univs and colleges	Other non-profit insti-tutions	FFRDCs admin by non-profit insti-tutions	State and local govts	
Department of Housing & Urban Dvlpmt	13,713	8,089	790	0	716	0	4,118	0	0	0
Department of the Interior, total	566,926	500,412	18,076	1,391	40,586	140	966	0	4,165	1,192
Bureau of Mines	69,953	57,134	11,541	941	0	0	337	0	0	0
Bureau of Reclamation	5,545	5,060	0	0	213	0	272	0	0	0
Geological Survey	311,905	290,431	1,310	0	16,164	0	0	0	4,000	0
Minerals Management Service	20,568	6,598	3,804	450	8,114	140	105	0	165	1,192
National Biological Service[10]	135,383	128,350	53	0	6,775	0	205	0	0	0
National Park Service[10]	23,574	12,839	1,368	0	9,320	0	47	0	0	0
Department of Justice, total	19,998	2,287	635	0	2,463	0	13,455	0	1,158	0
Bureau of Prisons[11]	2,100	1,750	0	0	0	0	0	0	350	0
Drug Enforcement Administration	72	72	0	0	0	0	0	0	0	0
Immigration & Naturalization Svc	400	40	0	0	0	0	360	0	0	0
Office of Justice Programs	17,426	425	635	0	2,463	0	13,095	0	808	0
Department of Labor, total	13,740	6,467	6,666	0	0	0	507	0	100	0
Bureau of Labor Statistics	1,500	1,500	0	0	0	0	0	0	0	0
Employment & Training Admin	2,864	900	1,432	0	0	0	432	0	100	0
Occupational Safety & Health Administration	3,310	1,182	2,128	0	0	0	0	0	0	0
Office of the Secretary	3,090	2,092	923	0	0	0	75	0	0	0
Pension Benefit Guaranty Corporation	301	51	250	0	0	0	0	0	0	0
Pension & Welfare Benefit Admin	2,675	742	1,933	0	0	0	0	0	0	0
Department of State[12]	389	264	70	0	0	15	40	0	0	0
Department of Transportation, total	270,380	85,628	86,997	2,252	37,296	1,478	11,544	1,485	42,279	1,421
Coast Guard	5,582	3,769	1,313	0	500	0	0	0	0	0
Federal Aviation Administration	79,473	41,823	21,016	0	12,681	1,478	0	1,485	0	990
Federal Highway Administration	131,185	12,626	53,802	2,252	15,079	0	5,080	0	42,049	297
Federal Railroad Administration	16,050	10,494	2,549	0	250	0	2,757	0	0	0
Federal Transit Administration[13]	7,812	2,195	400	0	2,651	0	2,336	0	230	0
Maritime Administration	1,744	813	493	0	135	0	303	0	0	0
National Highway Traffic Safety Administration	25,315	12,892	5,221	0	6,000	0	1,068	0	0	134
Office of the Secretary	570	155	415	0	0	0	0	0	0	0
Research & Special Programs Administration	2,649	861	1,788	0	0	0	0	0	0	0
Department of the Treasury, total	9,161	7,254	598	0	1,142	167	0	0	0	0
Bureau of Engraving & Printing	1,607	1,440	0	0	0	167	0	0	0	0
Internal Revenue Service[14]	6,134	4,992	0	0	1,142	0	0	0	0	0
Office of Thrift Supervision[15]	481	481	0	0	0	0	0	0	0	0
United States Customs Service	480	90	390	0	0	0	0	0	0	0
United States Secret Service[16]	459	251	208	0	0	0	0	0	0	0
Department of Veterans Affairs	209,106	208,156	0	0	950	0	0	0	0	0

See explanatory information, if any, and SOURCE at end of table.

Table C-37. Federal obligations for applied research, by agency and performer: fiscal year 1994

[Dollars in thousands]

Agency and subdivision	Total	Intra-mural [1]	Extramural							
			United States and territories							Foreign
			Indus-trial firms	FFRDCs admin by in-dustrial firms	Univer-sities and colleges	FFRDCs admin by univs and colleges	Other non-profit insti-tutions	FFRDCs admin by non-profit insti-tutions	State and local govts	
Other agencies:										
Advisory Commission on Intergovernmental Relations	1.355	1.355	0	0	0	0	0	0	0	0
Agency for International Dvlpmt	214.438	44.985	8.760	0	22.725	0	110.962	0	0	27.006
Appalachian Regional Commission	900	100	0	0	0	0	0	0	800	0
Consumer Product Safety Commission	130	65	65	0	0	0	0	0	0	0
Environmental Protection Agency	300.962	61.938	109.282	0	53.418	0	62.839	0	13.485	0
Federal Communications Commission	1.683	1.683	0	0	0	0	0	0	0	0
Federal Trade Commission	705	705	0	0	0	0	0	0	0	0
Library of Congress	1.466	1.466	0	0	0	0	0	0	0	0
National Aeronautics & Space Admin	1.876.650	669.163	914.794	0	133.890	88.333	57.912	1.022	784	10.752
National Archives & Records Admin	130	130	0	0	0	0	0	0	0	0
National Science Foundation	169.689	417	28.885	0	126.265	1	10.812	0	1.639	1.670
Nuclear Regulatory Commission	90.705	13.160	6.490	32.788	6.343	13.884	6.056	9.384	0	2.600
Tennessee Valley Authority	17.040	17.040	0	0	0	0	0	0	0	0
US Arms Control & Disarmament Agency[17]	1.323	573	725	0	0	0	25	0	0	0
United States Information Agency	559	559	0	0	0	0	0	0	0	0
US International Trade Commission	9.364	9.364	0	0	0	0	0	0	0	0

[1] Includes costs associated with the administration of intramural and extramural programs by Federal personnel as well as actual intramural performance.

[2] Data reported for the Agricultural Marketing Service include funds for the Office of Transportation beginning in 1989.

[3] The Human Nutrition Information Service merged with the Agricultural Research Service on February 20, 1994.

[4] The Cooperative State Research Service merged with the Extension Service on October 19, 1994, due to a reorganization within the Department of Agriculture.

[5] Name changed from Federal Grain Inspection Service on October 20, 1994.

[6] The Office of International Cooperation and Development became part of the Foreign Agricultural Service (FAS) in June of 1994. Data reported for FAS include funds appropriated to International Cooperation and Development programs within FAS as of fiscal year 1995.

[7] In fiscal year 1991 Human Development Services was replaced by the Administration for Children and Families and by the Administration on Aging. Beginning in fiscal year 1992, data shown for the Administration for Children and Families are separate from obligations for the Administration on Aging.

[8] In fiscal year 1991 the Agency for Health Care Policy and Research became separate from the Office of the Assistant Secretary for Health.

[9] As of March 31, 1995, the Social Security Administration became an independent agency; it is no longer part of the Department of Health & Human Services.

[10] The National Biological Service's name changed from the National Biological Survey on January 5, 1995. As of fiscal year 1994, the National Biological Service performs all biological research activities formerly funded by the US Fish & Wildlife Service and the National Park Service.

[11] Formerly listed as Federal Prison System.

[12] Increases in outlays and obligations reported by the Department of State during the Vol. 44 survey cycle reflect reporting of monies received through interagency agreements from the Agency for International Development. The Department of State transfers these outlays and obligations to other R&D performers.

[13] Name changed from Urban Mass Transit Administration on December 18, 1991.

[14] Large changes in obligations reported by the Internal Revenue Service for Vol. 44 are due to the shifts in research funding.

[15] In 1989 the Federal Home Loan Bank Board was replaced by the Office of Thrift Supervision. In 1990 the Office of Thrift Supervision became part of the Department of the Treasury.

[16] Formerly listed as Office of Protective Research.

[17] Fiscal year 1994 figures are estimates based on the Vol. 43 submission.

NOTE: Data for only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal Funds Survey, refer to appendix A.

KEY: FFRDCs = Federally funded research and development centers

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1994, 1995, and 1996

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Table C-38. Estimated Federal obligations for applied research, by agency and performer: fiscal year 1995

[Dollars in thousands]

Page 1 of 3

Agency and subdivision	Total	Intramural[1]	Extramural							
			United States and territories							Foreign
			Industrial firms	FFRDCs admin by industrial firms	Universities and colleges	FFRDCs admin by univs and colleges	Other nonprofit institutions	FFRDCs admin by nonprofit institutions	State and local govts	
Total, all agencies	14,234,781	4,959,489	3,171,046	453,186	3,432,591	852,737	997,212	94,849	194,649	79,022
Departments:										
Department of Agriculture, total	707,976	462,289	5,300	0	230,647	0	7,245	0	1,150	1,345
Agricultural Marketing Service[2]	4,141	4,141	0	0	0	0	0	0	0	0
Agricultural Research Service[3]	259,873	245,746	0	0	11,209	0	1,558	0	164	1,196
Cooperative State Research, Education, & Extension Svc[4]	227,051	12,815	5,082	0	203,814	0	4,661	0	679	0
Economic Research Service	48,173	46,252	0	0	1,921	0	0	0	0	0
Grain Inspection Packers & Stockyards Administration[5]	1,791	1,791	0	0	0	0	0	0	0	0
Foreign Agricultural Service[6]	355	89	0	0	266	0	0	0	0	0
Forest Service	160,600	146,718	218	0	12,182	0	1,026	0	307	149
Nat'l Agricultural Statistics Svc	2,432	2,277	0	0	155	0	0	0	0	0
Rural Business & Coop Dvlpmt Svc	3,560	2,460	0	0	1,100	0	0	0	0	0
Department of Commerce, total	948,340	559,860	294,789	0	86,442	275	1,421	0	5,291	262
Bureau of the Census	3,028	3,028	0	0	0	0	0	0	0	0
Economic Development Admin	500	127	100	0	100	0	173	0	0	0
National Institute of Standards & Technology	441,557	147,429	284,302	0	8,378	275	911	0	0	262
National Oceanic & Atmospheric Administration	497,276	403,297	10,387	0	77,964	0	337	0	5,291	0
National Telecommunications & Information Administration	5,979	5,979	0	0	0	0	0	0	0	0
Department of Defense, total	3,169,012	1,390,473	1,299,374	8,124	349,466	58,065	41,008	11,637	0	10,865
Department of the Army	664,219	438,158	182,748	3,376	25,878	2,913	7,711	628	0	2,807
Department of the Navy	501,926	246,805	206,955	0	41,960	1,800	2,310	2,026	0	70
Department of the Air Force	682,803	394,961	239,667	875	39,212	1,589	3,563	2,231	0	705
Defense agencies, total	1,320,064	310,549	670,004	3,873	242,416	51,763	27,424	6,752	0	7,283
Advanced Rsch Projects Agency	769,047	52,947	458,166	2,943	192,773	33,307	23,456	3,668	0	1,787
Ballistic Missile Defense Organization	102,019	19,442	66,554	0	8,995	5,311	17	500	0	1,200
Defense Info Systems Agency	1,426	1,426	0	0	0	0	0	0	0	0
Defense Logistics Agency	7,002	7,002	0	0	0	0	0	0	0	0
Defense Nuclear Agency	178,859	45,414	120,028	930	1,328	8,703	1,751	160	0	545
Special Operations Command	27,503	15,768	11,735	0	0	0	0	0	0	0
Washington Headquarters Svcs	234,209	168,550	13,521	0	39,320	4,442	2,200	2,424	0	3,751
Department of Education	143,364	6,501	7,993	0	93,730	0	29,511	0	5,629	0
Department of Energy	1,817,598	228,813	234,668	371,808	194,823	679,189	43,875	62,133	1,330	959
Dept of Health & Human Svcs, total	4,029,177	966,729	267,822	40,493	2,015,256	8,442	638,515	7,934	67,241	16,745
Administration on Aging[7]	2,700	171	0	0	1,100	0	1,250	0	179	0
Admin for Children & Families[7]	10,845	217	0	0	9,544	0	1,084	0	0	0
Agency for Health Care Policy & Research[8]	148,860	26,496	37,336	0	59,349	0	25,679	0	0	0
Centers for Disease Control & Prevention	216,942	166,903	6,720	0	31,366	0	10,390	64	1,499	0
Food & Drug Administration	170,428	151,428	0	0	12,000	0	7,000	0	0	0
Health Care Financing Admin	89,003	529	26,742	0	10,335	0	33,677	0	17,430	290
Health Resources & Svcs Admin	9,678	1,822	0	0	6,573	0	1,283	0	0	0
National Institutes of Health	3,311,933	599,663	193,879	40,493	1,881,094	8,442	516,104	7,870	47,933	16,455
Office of the Secretary	13,435	4,000	1,990	0	3,245	0	4,000	0	200	0
Social Security Administration[9]	55,353	15,500	1,155	0	650	0	38,048	0	0	0

See explanatory information, if any, and SOURCE at end of table.

Table C-38. Estimated Federal obligations for applied research, by agency and performer: fiscal year 1995

[Dollars in thousands]

Agency and subdivision	Total	Intramural[1]	Extramural							
			United States and territories							Foreign
			Industrial firms	FFRDCs admin by industrial firms	Universities and colleges	FFRDCs admin by univs and colleges	Other nonprofit institutions	FFRDCs admin by nonprofit institutions	State and local govts	
Department of Housing & Urban Dvlpmt	15,194	9,510	862	0	429	0	4,393	0	0	0
Department of the Interior, total	562,584	497,402	16,327	109	44,066	3,592	150	0	42	896
Bureau of Mines	66,924	57,846	8,994	84	0	0	0	0	0	0
Bureau of Reclamation	5,612	5,387	0	0	75	0	150	0	0	0
Geological Survey	307,166	287,731	1,480	0	14,555	3,400	0	0	0	0
Minerals Management Service	20,812	6,745	4,213	25	8,744	147	0	0	42	896
National Biological Service[10]	138,462	128,023	0	0	10,439	0	0	0	0	0
National Park Service[10]	23,608	11,670	1,640	0	10,253	45	0	0	0	0
Department of Justice, total	21,782	2,337	788	0	3,677	0	14,130	0	850	0
Bureau of Prisons[11]	2,300	1,900	0	0	0	0	0	0	400	0
Drug Enforcement Administration	72	72	0	0	0	0	0	0	0	0
Immigration & Naturalization Svc	400	40	0	0	0	0	360	0	0	0
Office of Justice Programs	19,010	325	788	0	3,677	0	13,770	0	450	0
Department of Labor, total	18,704	6,213	9,655	0	510	0	2,077	0	249	0
Bureau of Labor Statistics	1,500	1,500	0	0	0	0	0	0	0	0
Employment & Training Admin	7,059	700	3,600	0	510	0	2,000	0	249	0
Occupational Safety & Health Administration	4,390	1,292	3,098	0	0	0	0	0	0	0
Office of the Secretary	2,942	1,912	953	0	0	0	77	0	0	0
Pension Benefit Guaranty Corporation	102	52	50	0	0	0	0	0	0	0
Pension & Welfare Benefit Admin	2,711	757	1,954	0	0	0	0	0	0	0
Department of State[12]	400	275	80	0	0	15	30	0	0	0
Department of Transportation, total	363,747	91,265	149,192	844	56,926	0	19,183	1,575	43,577	1,185
Coast Guard	5,397	3,659	1,238	0	500	0	0	0	0	0
Federal Aviation Administration	87,042	48,492	22,403	0	13,517	0	0	1,575	0	1,055
Federal Highway Administration	204,432	13,016	102,913	844	33,709	0	12,623	0	41,327	0
Federal Railroad Administration	21,252	6,861	11,320	0	200	0	2,771	0	0	100
Federal Transit Administration[13]	11,247	2,798	399	0	2,800	0	3,000	0	2,250	0
Maritime Administration	2,658	972	1,214	0	200	0	242	0	0	30
National Highway Traffic Safety Administration	25,927	13,508	5,872	0	6,000	0	547	0	0	0
Office of the Secretary	615	160	455	0	0	0	0	0	0	0
Research & Special Programs Administration	5,177	1,799	3,378	0	0	0	0	0	0	0
Department of the Treasury, total	36,703	33,968	820	0	1,731	184	0	0	0	0
Bureau of Engraving & Printing	1,267	1,083	0	0	0	184	0	0	0	0
Internal Revenue Service[14]	33,696	31,965	0	0	1,731	0	0	0	0	0
Office of Thrift Supervision[15]	558	558	0	0	0	0	0	0	0	0
United States Customs Service	620	120	500	0	0	0	0	0	0	0
United States Secret Service[16]	562	242	320	0	0	0	0	0	0	0
Department of Veterans Affairs	220,419	219,419	0	0	1,000	0	0	0	0	0

See explanatory information, if any, and SOURCE at end of table.

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Table C-38. Estimated Federal obligations for applied research, by agency and performer: fiscal year 1995

[Dollars in thousands]

Page 3 of 3

Agency and subdivision	Total	Intramural [1]	Extramural							
			United States and territories							Foreign
			Industrial firms	FFRDCs admin by industrial firms	Universities and colleges	FFRDCs admin by univs and colleges	Other nonprofit institutions	FFRDCs admin by nonprofit institutions	State and local govts	
Other agencies:										
Advisory Commission on Intergovernmental Relations	1,327	1,327	0	0	0	0	0	0	0	0
Agency for International Dvlpmt	230,770	34,623	9,593	0	18,251	0	137,707	0	0	30,596
Appalachian Regional Commission	900	100	300	0	500	0	0	0	0	0
Environmental Protection Agency	310,815	69,276	115,439	0	59,266	0	0	0	66,834	0
Federal Communications Commission	2,055	2,055	0	0	0	0	0	0	0	0
Federal Trade Commission	934	934	0	0	0	0	0	0	0	0
Library of Congress	1,457	1,457	0	0	0	0	0	0	0	0
National Aeronautics & Space Admin	1,331,510	332,878	714,074	0	138,576	90,007	41,089	2,231	920	11,735
National Archives & Records Admin	120	120	0	0	0	0	0	0	0	0
National Science Foundation	184,950	641	37,153	0	132,643	1	11,022	0	1,536	1,954
Nuclear Regulatory Commission	86,026	12,861	6,063	31,808	4,652	12,967	5,856	9,339	0	2,480
Tennessee Valley Authority	17,380	17,380	0	0	0	0	0	0	0	0
US Arms Control & Disarmament Agency[17]	1,050	296	754	0	0	0	0	0	0	0
United States Information Agency	317	317	0	0	0	0	0	0	0	0
US International Trade Commission	10,170	10,170	0	0	0	0	0	0	0	0

[1] Includes costs associated with the administration of intramural and extramural programs by Federal personnel as well as actual intramural performance

[2] Data reported for the Agricultural Marketing Service include funds for the Office of Transportation beginning in 1989

[3] The Human Nutrition Information Service merged with the Agricultural Research Service on February 20, 1994

[4] The Cooperative State Research Service merged with the Extension Service on October 19, 1994, due to a reorganization within the Department of Agriculture

[5] Name changed from Federal Grain Inspection Service on October 20, 1994

[6] The Office of International Cooperation and Development became part of the Foreign Agricultural Service (FAS) in June of 1994. Data reported for FAS include funds appropriated to International Cooperation and Development programs within FAS as of fiscal year 1995

[7] In fiscal year 1991 Human Development Services was replaced by the Administration for Children and Families and by the Administration on Aging. Beginning in fiscal year 1992, data shown for the Administration for Children and Families are separate from obligations for the Administration on Aging

[8] In fiscal year 1991 the Agency for Health Care Policy and Research became separate from the Office of the Assistant Secretary for Health.

[9] As of March 31, 1995, the Social Security Administration became an independent agency; it is no longer part of the Department of Health & Human Services

[10] The National Biological Service's name changed from the National Biological Survey on January 5, 1995. As of fiscal year 1994, the National Biological Service performs all biological research activities formerly funded by the US Fish & Wildlife Service and the National Park Service.

[11] Formerly listed as Federal Prison System

[12] Increases in outlays and obligations reported by the Department of State during the Vol. 44 survey cycle reflect reporting of monies received through interagency agreements from the Agency for International Development. The Department of State transfers these outlays and obligations to other R&D performers

[13] Name changed from Urban Mass Transit Administration on December 18, 1991

[14] Large changes in obligations reported by the Internal Revenue Service for Vol. 44 are due to the shifts in research funding

[15] In 1989 the Federal Home Loan Bank Board was replaced by the Office of Thrift Supervision. In 1990 the Office of Thrift Supervision became part of the Department of the Treasury

[16] Formerly listed as Office of Protective Research

[17] Fiscal year 1994 figures are estimates based on the Vol. 43 submission.

NOTE: Data for only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal Funds Survey, refer to appendix A

KEY: FFRDCs = Federally funded research and development centers

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1994, 1995, and 1996

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Table C-39. Estimated Federal obligations for applied research, by agency and performer: fiscal year 1996

[Dollars in thousands]

Page 1 of 3

Agency and subdivision	Total	Intramural [1]	Extramural								
			United States and territories								Foreign
			Industrial firms	FFRDCs admin by industrial firms	Universities and colleges	FFRDCs admin by univs and colleges	Other nonprofit institutions	FFRDCs admin by nonprofit institutions	State and local govts	
Total, all agencies	14,233,548	4,911,345	3,210,766	456,129	3,455,046	868,874	978,985	91,038	191,269	70,096
Departments:										
Department of Agriculture, total	698,828	467,144	5,066	0	221,662	0	2,489	0	1,122	1,345
Agricultural Marketing Service[2]	4,141	4,141	0	0	0	0	0	0	0	0
Agricultural Research Service[3]	259,017	246,124	0	0	10,938	0	595	0	164	1,196
Cooperative State Research, Education, & Extension Svc[4]	215,122	12,592	4,848	0	196,163	0	868	0	651	0
Economic Research Service	49,199	47,241	0	0	1,958	0	0	0	0	0
Grain Inspection Packers & Stockyards Administration[5]	2,813	2,813	0	0	0	0	0	0	0	0
Foreign Agricultural Service[6]	355	89	0	0	266	0	0	0	0	0
Forest Service	163,700	149,818	218	0	12,182	0	1,026	0	307	149
Nat'l Agricultural Statistics Svc	2,481	2,326	0	0	155	0	0	0	0	0
Rural Business & Coop Dvlpmt Svc	2,000	2,000	0	0	0	0	0	0	0	0
Department of Commerce, total	968,405	634,609	242,609	0	83,012	275	4,182	351	3,105	262
Bureau of the Census	3,040	3,040	0	0	0	0	0	0	0	0
Economic Development Admin	1,500	350	300	0	350	0	500	0	0	0
National Institute of Standards & Technology	410,926	162,517	229,943	0	14,255	275	3,181	351	142	262
National Oceanic & Atmospheric Administration	546,416	462,179	12,366	0	68,407	0	501	0	2,963	0
National Telecommunications & Information Administration	6,523	6,523	0	0	0	0	0	0	0	0
Department of Defense, total	2,948,872	1,174,380	1,300,656	5,609	338,069	76,680	34,172	9,845	0	9,461
Department of the Army	472,537	331,230	113,974	1,571	21,036	1,275	1,229	150	0	2,072
Department of the Navy	480,263	237,184	200,223	0	38,254	2,345	2,106	90	0	61
Department of the Air Force	673,655	375,586	249,568	852	39,236	1,601	3,758	2,215	0	839
Defense agencies, total	1,322,417	230,380	736,891	3,186	239,543	71,459	27,079	7,390	0	6,489
Advanced Rsch Projects Agency	801,289	55,167	477,374	3,086	200,855	34,703	24,439	3,822	0	1,863
Ballistic Missile Defense Organization	111,456	20,147	71,356	0	12,813	5,427	0	414	0	1,300
Defense Info Systems Agency	1,820	1,820	0	0	0	0	0	0	0	0
Defense Logistics Agency	8,389	8,389	0	0	0	0	0	0	0	0
Defense Nuclear Agency	218,933	42,128	161,210	120	1,046	12,469	918	280	0	762
Special Operations Command	20,926	11,997	8,929	0	0	0	0	0	0	0
Washington Headquarters Svcs	159,604	90,732	18,023	0	24,829	18,860	1,722	2,874	0	2,564
Department of Education	142,630	6,772	7,818	0	97,117	0	25,294	0	5,629	0
Department of Energy	1,771,855	242,823	220,605	367,947	160,650	677,257	40,627	59,951	1,080	915
Dept of Health & Human Svcs, total	4,110,348	980,328	269,608	42,180	2,097,244	8,794	622,589	8,262	63,888	17,455
Administration on Aging[7]	3,200	171	0	0	1,500	0	1,350	0	179	0
Admin for Children & Families[7]	10,661	213	0	0	9,382	0	1,066	0	0	0
Agency for Health Care Policy & Research[8]	177,342	28,901	31,151	0	71,996	0	45,294	0	0	0
Centers for Disease Control & Prevention	217,128	167,089	6,720	0	31,366	0	10,390	64	1,499	0
Food & Drug Administration	171,823	152,823	0	0	12,000	0	7,000	0	0	0
Health Care Financing Admin	64,500	645	27,280	0	8,160	0	16,320	0	11,780	315
Health Resources & Svcs Admin	9,590	1,834	0	0	6,473	0	1,283	0	0	0
National Institutes of Health	3,443,826	624,652	201,957	42,180	1,953,367	8,794	537,608	8,198	49,930	17,140
Office of the Secretary	12,278	4,000	2,500	0	3,000	0	2,278	0	500	0

See explanatory information, if any, and SOURCE at end of table.

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Table C-39. Estimated Federal obligations for applied research, by agency and performer: fiscal year 1996

[Dollars in thousands]

Page 2 of 3

Agency and subdivision	Total	Intra-mural [1]	Extramural							
			United States and territories							Foreign
			Indus-trial firms	FFRDCs admin by in-dustrial firms	Univer-sities and colleges	FFRDCs admin by univs and colleges	Other non-profit insti-tutions	FFRDCs admin by non-profit insti-tutions	State and local govts	
Department of Housing & Urban Dvlpmt	15.316	9.091	1.216	0	379	0	4.630	0	0	0
Department of the Interior, total	563.829	498.851	13.660	70	43.797	6.520	45	0	86	800
Bureau of Mines	55.166	47.026	8.140	0	0	0	0	0	0	0
Bureau of Reclamation	5.662	5.587	0	0	75	0	0	0	0	0
Geological Survey	315.044	296.929	1.480	0	10.235	6.400	0	0	0	0
Minerals Management Service	22.662	7.345	2.640	70	11.601	120	0	0	86	800
National Biological Service[9]	142.572	130.964	0	0	11.608	0	0	0	0	0
National Park Service[9]	22.723	11.000	1.400	0	10.278	0	45	0	0	0
Department of Justice, total	23.373	2.213	1.336	0	2.655	0	16.169	0	1.000	0
Bureau of Prisons[10]	2.300	1.900	0	0	0	0	0	0	400	0
Drug Enforcement Administration	48	48	0	0	0	0	0	0	0	0
Immigration & Naturalization Svc	400	40	0	0	0	0	360	0	0	0
Office of Justice Programs	20.625	225	1.336	0	2.655	0	15.809	0	600	0
Department of Labor, total	23.577	6.261	12.800	0	0	0	4.266	0	250	0
Bureau of Labor Statistics	1.800	1.800	0	0	0	0	0	0	0	0
Employment & Training Admin	11.905	370	7.071	0	0	0	4.214	0	250	0
Occupational Safety & Health Administration	4.423	1.325	3.098	0	0	0	0	0	0	0
Office of the Secretary	2.613	1.941	620	0	0	0	52	0	0	0
Pension Benefit Guaranty Corporation	53	53	0	0	0	0	0	0	0	0
Pension & Welfare Benefit Admin	2.783	772	2.011	0	0	0	0	0	0	0
Department of State[11]	411	286	80	0	15	30	0	0	0	0
Department of Transportation, total	311.340	94.054	110.604	9.887	38.778	2.025	20.571	1.534	32.760	1.127
Coast Guard	5.493	3.744	1.149	0	600	0	0	0	0	0
Federal Aviation Administration	78.048	39.731	21.820	0	13.165	771	0	1.534	0	1.027
Federal Railroad Administration	16.242	7.250	2.542	0	475	0	5.875	0	0	100
Infrastructure Investment[12]	180.381	30.217	74.102	9.887	18.338	1.254	13.823	0	32.760	0
Maritime Administration	4.977	1.315	3.236	0	100	0	326	0	0	0
National Highway Traffic Safety Administration	20.151	10.005	3.599	0	6.000	0	547	0	0	0
Office of the Secretary	642	165	377	0	100	0	0	0	0	0
Research & Special Programs Administration	5.406	1.627	3.779	0	0	0	0	0	0	0
Department of the Treasury, total	37.779	35.545	900	0	1.132	202	0	0	0	0
Bureau of Engraving & Printing	2.156	1.954	0	0	0	202	0	0	0	0
Internal Revenue Service[13]	33.696	32.564	0	0	1.132	0	0	0	0	0
Office of Thrift Supervision[14]	654	654	0	0	0	0	0	0	0	0
United States Customs Service	700	120	580	0	0	0	0	0	0	0
United States Secret Service[15]	573	253	320	0	0	0	0	0	0	0
Department of Veterans Affairs	218.500	217.650	0	0	850	0	0	0	0	0

See explanatory information, if any, and SOURCE at end of table.

Table C-39. Estimated Federal obligations for applied research, by agency and performer: fiscal year 1996

[Dollars in thousands]

Page 3 of 3

Agency and subdivision	Total	Intramural [1]	Extramural							
			United States and territories							Foreign
			Industrial firms	FFRDCs admin by industrial firms	Universities and colleges	FFRDCs admin by univs and colleges	Other nonprofit institutions	FFRDCs admin by nonprofit institutions	State and local govts	
Other agencies										
Advisory Commission on Intergovernmental Relations	1,482	1,482	0	0	0	0	0	0	0	0
Agency for International Dvlpmt	190,669	21,632	10,821	0	14,028	0	122,048	0	0	22,140
Appalachian Regional Commission	900	100	300	0	500	0	0	0	0	0
Environmental Protection Agency	371,601	82,824	138,016	0	70,856	0	0	0	79,905	0
Federal Communications Commission	1,804	1,804	0	0	0	0	0	0	0	0
Federal Trade Commission	982	982	0	0	0	0	0	0	0	0
Library of Congress	1,462	1,462	0	0	0	0	0	0	0	0
National Aeronautics & Space Admin	1,483,524	370,881	826,930	0	138,576	86,304	45,780	2,241	906	11,906
National Archives & Records Admin	120	120	0	0	0	0	0	0	0	0
National Science Foundation	195,409	479	38,642	0	140,591	1	12,053	0	1,538	2,105
Nuclear Regulatory Commission	81,787	12,816	5,988	30,436	4,685	10,786	5,642	8,854	0	2,580
Social Security Administration[16]	37,235	16,000	2,357	0	450	0	18,428	0	0	0
Tennessee Valley Authority	19,340	19,340	0	0	0	0	0	0	0	0
US Arms Control & Disarmament Agency[17]	1,050	296	754	0	0	0	0	0	0	0
United States Information Agency	300	300	0	0	0	0	0	0	0	0
US International Trade Commission	10,820	10,820	0	0	0	0	0	0	0	0

[1] Includes costs associated with the administration of intramural and extramural programs by Federal personnel as well as actual intramural performance.

[2] Data reported for the Agricultural Marketing Service include funds for the Office of Transportation beginning in 1989.

[3] The Human Nutrition Information Service merged with the Agricultural Research Service on February 20, 1994.

[4] The Cooperative State Research Service merged with the Extension Service on October 19, 1994, due to a reorganization within the Department of Agriculture.

[5] Name changed from Federal Grain Inspection Service on October 20, 1994.

[6] The Office of International Cooperation and Development became part of the Foreign Agricultural Service (FAS) in June of 1994. Data reported for FAS include funds appropriated to International Cooperation and Development programs within FAS as of fiscal year 1995.

[7] In fiscal year 1991 Human Development Services was replaced by the Administration for Children and Families and by the Administration on Aging. Beginning in fiscal year 1992, data shown for the Administration for Children and Families are separate from obligations for the Administration on Aging.

[8] In fiscal year 1991 the Agency for Health Care Policy and Research became separate from the Office of the Assistant Secretary for Health.

[9] The National Biological Service's name changed from the National Biological Survey on January 5, 1995. As of fiscal year 1994, the National Biological Service performs all biological research activities formerly funded by the US Fish & Wildlife Service and the National Park Service.

[10] Formerly listed as Federal Prison System.

[11] Increases in outlays and obligations reported by the Department of State during the Vol. 44 survey cycle reflect reporting of monies received through interagency agreements from the Agency for International Development. The Department of State transfers these outlays and obligations to other R&D performers.

[12] Monies estimated for fiscal year 1996 by Infrastructure Investment represent a proposed consolidation of several agencies within the Department of Transportation.

[13] Large changes in obligations reported by the Internal Revenue Service for Vol. 44 are due to the shifts in research funding.

[14] In 1989 the Federal Home Loan Bank Board was replaced by the Office of Thrift Supervision. In 1990 the Office of Thrift Supervision became part of the Department of the Treasury.

[15] Formerly listed as Office of Protective Research.

[16] As of March 31, 1995, the Social Security Administration became an independent agency; it is no longer part of the Department of Health & Human Services.

[17] Fiscal year 1994 figures are estimates based on the Vol. 43 submission.

NOTE: Data for only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal Funds Survey, refer to appendix A.

KEY: FFRDCs = Federally funded research and development centers

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1994, 1995, and 1996

Table C-40. Federal obligations for applied research, by detailed field of science and engineering: fiscal years 1994, 1995, and 1996

[Dollars in thousands]

Page 1 of 1

Field of science and engineering	1994	Estimates	
		1995	1996
Total, all fields	13,887,494	14,234,781	14,233,548
Life sciences, total	4,648,975	4,790,091	4,817,388
Biological (excluding environmental)	1,495,357	1,544,509	1,592,471
Environmental biology	382,600	389,998	401,458
Agricultural	419,538	411,916	389,380
Medical	2,148,633	2,248,288	2,248,103
Life sciences, n.e.c	202,847	195,380	185,976
Psychology, total	302,861	321,880	320,386
Biological aspects	23,317	32,277	25,450
Social aspects	100,439	103,583	98,578
Psychological sciences, n.e.c.	179,105	186,020	196,358
Physical sciences, total	3,143,521	2,692,674	2,805,390
Astronomy	1,754,764	1,195,927	1,358,785
Chemistry	328,230	343,033	334,812
Physics	940,938	1,030,896	991,451
Physical sciences, n.e.c.	119,589	122,818	120,342
Environmental sciences, total	1,034,800	941,721	1,039,581
Atmospheric	234,224	220,189	240,652
Geological	325,869	316,220	344,652
Oceanography	224,403	193,921	215,161
Environmental sciences, n.e.c.	250,304	211,391	239,116
Mathematics & computer sciences, total	738,670	951,056	995,765
Mathematics	94,639	93,693	93,603
Computer sciences	566,673	781,148	834,305
Mathematics & computer sciences, n.e.c.	77,358	76,215	67,857
Engineering, total	2,961,570	3,379,291	3,117,673
Aeronautical	138,045	153,085	149,148
Astronautical	78,415	102,775	89,259
Chemical	167,146	252,284	229,758
Civil	240,851	287,810	262,854
Electrical	523,192	575,840	526,077
Mechanical	231,314	259,130	248,036
Metallurgy & materials	494,242	509,064	523,791
Engineering, n.e.c.	1,088,365	1,239,294	1,088,750
Social sciences, total	463,347	538,943	533,599
Anthropology	6,568	6,362	5,508
Economics	154,949	167,752	173,153
Political science	20,622	17,804	17,882
Sociology	54,961	58,723	63,320
Social sciences, n.e.c.	226,247	288,302	273,736
Other sciences, n.e.c.	593,750	619,125	603,766

NOTE: Data for only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal Funds Survey, refer to appendix A.

KEY: n.e.c. = Not elsewhere classified

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1994, 1995, and 1996

Table C-41. Federal obligations for applied research, by agency and field of science and engineering: fiscal year 1994

[Dollars in thousands]

Page 1 of 3

Agency and subdivision	Total	Life sciences	Psy-chology	Physical sciences	Environ-mental sciences	Mathe-matics and com-puter sciences	Engi-neering	Social sciences	Other sciences n.e.c.
Total, all agencies	13,887,494	4,648,975	302,861	3,143,521	1,034,800	738,670	2,961,570	463,347	593,750
Departments									
Department of Agriculture, total	715,933	485,053	407	50,433	8,796	14,419	52,409	100,883	3,533
Agricultural Cooperative Service	3,734	0	0	0	0	0	0	3,734	0
Agricultural Marketing Service[1]	4,231	4,231	0	0	0	0	0	0	0
Agricultural Research Service[2]	257,895	220,995	0	27,933	1,865	1,148	5,954	0	0
Cooperative State Research, Education, & Extension Svc[3]	234,313	159,644	0	17,364	1,525	0	18,383	37,397	0
Economic Research Service	45,280	0	0	0	0	0	0	45,280	0
Grain Inspection Packers & Stockyards Administration[4]	1,791	1,791	0	0	0	0	0	0	0
Foreign Agricultural Service[5]	194	194	0	0	0	0	0	0	0
Forest Service	156,500	91,206	407	5,136	5,406	10,680	28,072	12,060	3,533
Human Nutrition Information Svc[2]	6,992	6,992	0	0	0	0	0	0	0
Nat'l Agricultural Statistics Svc	2,591	0	0	0	0	2,591	0	0	0
Rural Business & Coop Dvlpmt Svc	2,412	0	0	0	0	0	0	2,412	0
Department of Commerce, total	678,161	111,153	221	67,595	301,811	47,646	99,869	16,777	33,089
Bureau of the Census	2,533	0	221	0	0	1,597	0	653	62
Economic Development Admin	605	0	0	0	0	0	0	605	0
National Institute of Standards & Technology	167,488	3,396	0	46,307	220	30,497	86,749	319	0
National Oceanic & Atmospheric Administration	502,698	107,757	0	21,288	301,591	15,552	8,283	15,200	33,027
National Telecommunications & Information Administration	4,837	0	0	0	0	0	4,837	0	0
Department of Defense, total	3,039,950	192,328	58,038	391,176	97,586	446,581	1,704,900	981	148,360
Department of the Army	639,304	99,689	17,732	64,511	27,060	55,806	368,570	826	5,110
Department of the Navy	446,983	13,623	12,763	119,496	15,142	15,096	266,898	0	3,965
Department of the Air Force	571,917	45,237	18,512	118,275	2,254	66,186	317,271	0	4,182
Defense agencies, total	1,381,746	33,779	9,031	88,894	53,130	309,493	752,161	155	135,103
Advanced Rsch Projects Agency	851,753	0	0	14,404	26,620	292,444	512,993	0	5,292
Ballistic Missile Defense Organization	100,607	0	0	33,663	7,277	6,375	53,292	0	0
Defense Info Systems Agency	1,940	0	0	0	0	0	0	0	1,940
Defense Logistics Agency	8,897	0	8,897	0	0	0	0	0	0
Defense Nuclear Agency	232,655	4,724	0	38,685	13,082	3,029	78,115	0	95,020
Special Operations Command	33,347	1,482	0	0	0	0	31,221	0	644
Washington Headquarters Svcs	152,547	27,573	134	2,142	6,151	7,645	76,540	155	32,207
Department of Education	131,235	12,861	3,724	0	0	1,423	6,472	106,755	0
Department of Energy	1,679,243	86,084	0	741,826	155,229	104,958	545,995	932	44,219

See explanatory information, if any, and SOURCE at end of table.

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Table C-41. Federal obligations for applied research, by agency and field of science and engineering: fiscal year 1994

[Dollars in thousands]

Page 2 of 3

Agency and subdivision	Total	Life sciences	Psychology	Physical sciences	Environmental sciences	Mathematics and computer sciences	Engineering	Social sciences	Other sciences n.e.c.
Dept of Health & Human Svcs, total	3,852,458	3,158,230	176,210	34,305	0	36,364	36,363	122,737	288,249
Administration on Aging[6]	3,500	0	0	0	0	0	0	3,500	0
Admin for Children & Families[6]	10,436	0	0	0	0	0	0	10,436	0
Agency for Health Care Policy & Research[7]	141,225	49,274	349	0	0	12,975	0	33,887	44,740
Centers for Disease Control & Prevention	206,800	206,800	0	0	0	0	0	0	0
Food & Drug Administration	169,433	169,433	0	0	0	0	0	0	0
Health Care Financing Admin	79,959	79,959	0	0	0	0	0	0	0
Health Resources & Svcs Admin	9,779	9,779	0	0	0	0	0	0	0
National Institutes of Health	3,197,358	2,642,985	175,861	34,305	0	23,389	36,363	40,946	243,509
Office of the Secretary	11,741	0	0	0	0	0	0	11,741	0
Social Security Administration[8]	22,227	0	0	0	0	0	0	22,227	0
Department of Housing & Urban Dvlpmt	13,713	0	0	0	17	177	828	12,255	436
Department of the Interior, total	566,928	146,035	0	37,337	266,402	18,296	85,165	12,589	1,104
Bureau of Mines	69,953	0	0	0	6,805	0	63,148	0	0
Bureau of Reclamation	5,545	0	0	0	0	0	5,545	0	0
Geological Survey	311,905	2,783	0	37,337	244,115	16,353	10,987	330	0
Minerals Management Service	20,568	52	0	0	12,364	1,419	5,114	1,158	461
National Biological Service[9]	135,383	135,383	0	0	0	0	0	0	0
National Park Service[9]	23,574	7,817	0	0	3,118	524	371	11,101	643
Department of Justice, total	19,998	0	1,286	0	0	0	400	16,923	1,389
Bureau of Prisons[10]	2,100	0	450	0	0	0	0	1,650	0
Drug Enforcement Administration	72	0	0	0	0	0	0	0	72
Immigration & Naturalization Svc	400	0	0	0	0	0	400	0	0
Office of Justice Programs	17,426	0	836	0	0	0	0	15,273	1,317
Department of Labor, total	13,740	0	0	0	0	0	0	13,740	0
Bureau of Labor Statistics	1,500	0	0	0	0	0	0	1,500	0
Employment & Training Admin	2,864	0	0	0	0	0	0	2,864	0
Occupational Safety & Health Administration	3,310	0	0	0	0	0	0	3,310	0
Office of the Secretary	3,090	0	0	0	0	0	0	3,090	0
Pension Benefit Guaranty Corporation	301	0	0	0	0	0	0	301	0
Pension & Welfare Benefit Admin	2,675	0	0	0	0	0	0	2,675	0
Department of State[11]	389	0	0	0	0	0	0	389	0
Department of Transportation, total	270,380	7,348	28,724	3,140	5,706	25,508	184,094	11,470	4,390
Coast Guard	5,582	0	640	0	660	1,435	2,847	0	0
Federal Aviation Administration	79,473	4,387	27,111	2,640	1,456	0	42,369	0	1,510
Federal Highway Administration	131,185	1,576	973	0	2,965	16,894	102,010	3,887	2,880
Federal Railroad Administration	16,050	0	0	500	600	0	14,650	300	0
Federal Transit Administration[12]	7,812	0	0	0	0	625	4,572	2,615	0
Maritime Administration	1,744	0	0	0	0	0	1,744	0	0
National Highway Traffic Safety Administration	25,315	1,385	0	0	0	5,904	13,658	4,368	0
Office of the Secretary	570	0	0	0	25	0	545	0	0
Research & Special Programs Administration	2,649	0	0	0	0	650	1,699	300	0

See explanatory information, if any, and SOURCE at end of table

Table C-41. Federal obligations for applied research, by agency and field of science and engineering: fiscal year 1994

[Dollars in thousands]

Page 3 of 3

Agency and subdivision	Total	Life sciences	Psychology	Physical sciences	Environmental sciences	Mathematics and computer sciences	Engineering	Social sciences	Other sciences, n.e.c.
Department of the Treasury, total	9,161	344	355	1,847	0	6,134	0	481	0
Bureau of Engraving & Printing	1,607	0	0	1,607	0	0	0	0	0
Internal Revenue Service[13]	6,134	0	0	0	0	6,134	0	0	0
Office of Thrift Supervision[14]	481	0	0	0	0	0	0	481	0
United States Customs Service	480	240	0	240	0	0	0	0	0
United States Secret Service[15]	459	104	355	0	0	0	0	0	0
Department of Veterans Affairs	209,106	195,221	13,694	0	0	0	191	0	0
Other agencies:									
Advisory Commission on Intergovernmental Relations	1,355	0	0	0	0	0	0	1,355	0
Agency for International Dvlpmt	214,438	149,770	0	0	742	1,784	564	23,907	37,671
Appalachian Regional Commission	900	0	0	0	0	0	0	900	0
Consumer Product Safety Commission	130	0	0	130	0	0	0	0	0
Environmental Protection Agency	300,962	76,115	0	0	182,981	0	41,866	0	0
Federal Communications Commission	1,683	0	0	55	0	123	1,057	448	0
Federal Trade Commission	705	0	0	0	0	0	0	705	0
Library of Congress	1,466	0	0	0	0	0	0	0	1,466
National Aeronautics & Space Admin	1,876,650	8,911	15,117	1,791,726	6,831	10,654	37,180	0	6,231
National Archives & Records Admin	130	0	0	130	0	0	0	0	0
National Science Foundation	169,689	17,271	5,085	17,800	7,670	24,172	70,542	9,030	18,119
Nuclear Regulatory Commission	90,705	0	0	0	0	0	90,705	0	0
Tennessee Valley Authority	17,040	2,172	0	5,496	977	0	2,411	490	5,494
US Arms Control & Disarmament Agency[16]	1,323	79	0	525	52	431	0	236	0
United States Information Agency	559	0	0	0	0	0	559	0	0
US International Trade Commission	9,364	0	0	0	0	0	0	9,364	0

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[1] Data reported for the Agricultural Marketing Service include funds for the Office of Transportation beginning in 1989.

[2] The Human Nutrition Information Service merged with the Agricultural Research Service on February 20, 1994.

[3] The Cooperative State Research Service merged with the Extension Service on October 19, 1994, due to a reorganization within the Department of Agriculture.

[4] Name changed from Federal Grain Inspection Service on October 20, 1994.

[5] The Office of International Cooperation and Development became part of the Foreign Agricultural Service (FAS) in June of 1994. Data reported for FAS include funds appropriated to International Cooperation and Development programs within FAS as of fiscal year 1995.

[6] In fiscal year 1991 Human Development Services was replaced by the Administration for Children and Families and by the Administration on Aging. Beginning in fiscal year 1992, data shown for the Administration for Children and Families are separate from obligations for the Administration on Aging.

[7] In fiscal year 1991 the Agency for Health Care Policy and Research became separate from the Office of the Assistant Secretary for Health.

[8] As of March 31, 1995, the Social Security Administration became an independent agency; it is no longer part of the Department of Health & Human Services.

[9] The National Biological Service's name changed from the National Biological Survey on January 5, 1995. As of fiscal year 1994, the National Biological Service performs all biological research activities formerly funded by the US Fish & Wildlife Service and the National Park Service.

[10] Formerly listed as Federal Prison System.

[11] Increases in outlays and obligations reported by the Department of State during the Vol. 44 survey cycle reflect reporting of monies received through interagency agreements from the Agency for International Development. The Department of State transfers these outlays and obligations to other R&D performers.

[12] Name changed from Urban Mass Transit Administration on December 18, 1991.

[13] Large changes in obligations reported by the Internal Revenue Service for Vol. 44 are due to the shifts in research funding.

[14] In 1989 the Federal Home Loan Bank Board was replaced by the Office of Thrift Supervision. In 1990 the Office of Thrift Supervision became part of the Department of the Treasury.

[15] Formerly listed as Office of Protective Research.

[16] Fiscal year 1994 figures are estimates based on the Vol. 43 submission.

NOTE: Data for only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal Funds Survey, refer to appendix A.

KEY: n.e.c. = Not elsewhere classified

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1994, 1995, and 1996.

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Table C-42. Estimated Federal obligations for applied research, by agency and field of science and engineering: fiscal year 1995

[Dollars in thousands]

Page 1 of 3

Agency and subdivision	Total	Life sciences	Psychology	Physical sciences	Environmental sciences	Mathematics and computer sciences	Engineering	Social sciences	Other sciences, n.e.c.
Total, all agencies	14,234,781	4,790,091	321,880	2,692,674	941,721	951,056	3,379,291	538,943	619,125
Departments:									
Department of Agriculture, total	707,976	479,260	418	48,343	9,031	14,441	53,014	99,844	3,625
Agricultural Marketing Service[1]	4,141	4,141	0	0	0	0	0	0	0
Agricultural Research Service[2]	259,873	223,533	0	26,674	2,047	1,049	6,570	0	0
Cooperative State Research, Education, & Extension Svc[3]	227,051	155,845	0	16,398	1,436	0	17,638	35,734	0
Economic Research Service	48,173	0	0	0	0	0	0	48,173	0
Grain Inspection Packers & Stockyards Administration[4]	1,791	1,791	0	0	0	0	0	0	0
Foreign Agricultural Service[5]	355	355	0	0	0	0	0	0	0
Forest Service	160,600	93,595	418	5,271	5,548	10,960	28,806	12,377	3,625
Nat'l Agricultural Statistics Svc	2,432	0	0	0	0	2,432	0	0	0
Rural Business & Coop Dvlpmt Svc	3,560	0	0	0	0	0	0	3,560	0
Department of Commerce, total	948,340	122,907	264	73,751	274,931	189,831	230,289	18,888	37,479
Bureau of the Census	3,028	0	264	0	0	1,909	0	781	74
Economic Development Admin	500	0	0	0	0	0	0	500	0
National Institute of Standards & Technology	441,557	2,780	0	52,120	191	171,365	214,855	246	0
National Oceanic & Atmospheric Administration	497,276	120,127	0	21,631	274,740	16,557	9,455	17,361	37,405
National Telecommunications & Information Administration	5,979	0	0	0	0	0	5,979	0	0
Department of Defense, total	3,169,012	194,967	71,245	420,162	94,614	477,983	1,780,641	933	128,467
Department of the Army	664,219	106,751	9,809	54,528	27,663	77,820	381,007	489	6,152
Department of the Navy	501,926	15,335	14,492	134,408	17,170	17,118	298,939	0	4,464
Department of the Air Force	682,803	37,626	39,559	164,437	3,731	52,946	379,796	0	4,708
Defense agencies, total	1,320,064	35,255	7,385	66,789	46,050	330,099	720,899	444	113,143
Advanced Rsch Projects Agency	769,047	0	0	7,998	25,088	307,897	424,154	0	3,910
Ballistic Missile Defense Organization	102,019	0	0	24,976	7,377	13,517	52,968	0	3,181
Defense Info Systems Agency	1,426	0	0	0	0	0	0	0	1,426
Defense Logistics Agency	7,002	0	7,002	0	0	0	0	0	0
Defense Nuclear Agency	178,859	3,717	0	28,097	7,353	2,271	67,647	0	69,774
Special Operations Command	27,503	839	0	0	0	0	25,973	0	691
Washington Headquarters Svcs	234,208	30,699	383	5,718	6,232	6,414	150,157	444	34,161
Department of Education	143,364	12,024	3,586	0	0	1,182	5,665	120,907	0
Department of Energy	1,817,598	88,669	0	796,549	140,137	107,205	633,692	1,296	50,050

See explanatory information, if any, and SOURCE at end of table.

Table C-42. Estimated Federal obligations for applied research, by agency and field of science and engineering: fiscal year 1995

[Dollars in thousands]

Page 2 of 3

Agency and subdivision	Total	Life sciences	Psychology	Physical sciences	Environmental sciences	Mathematics and computer sciences	Engineering	Social sciences	Other sciences, n.e.c.
Dept of Health & Human Svcs, total	4,029,177	3,276,746	182,538	35,535	0	38,184	37,666	161,196	297,312
Administration on Aging[6]	2,700	0	0	0	0	0	0	2,700	0
Admin for Children & Families[6]	10,845	0	0	0	0	0	0	10,845	0
Agency for Health Care Policy & Research[7]	148,860	53,001	375	0	0	13,957	0	36,450	45,077
Centers for Disease Control & Prevention	216,942	216,942	0	0	0	0	0	0	0
Food & Drug Administration	170,428	170,428	0	0	0	0	0	0	0
Health Care Financing Admin	89,003	89,003	0	0	0	0	0	0	0
Health Resources & Svcs Admin	9,678	9,678	0	0	0	0	0	0	0
National Institutes of Health	3,311,933	2,737,694	182,163	35,535	0	24,227	37,666	42,413	252,235
Office of the Secretary	13,435	0	0	0	0	0	0	13,435	0
Social Security Administration[8]	55,353	0	0	0	0	0	0	55,353	0
Department of Housing & Urban Dvlpmt	15,194	0	0	0	222	123	586	12,839	1,424
Department of the Interior, total	562,584	149,198	0	38,135	262,470	17,805	80,429	13,423	1,124
Bureau of Mines	66,924	0	0	0	7,777	0	59,147	0	0
Bureau of Reclamation	5,612	0	0	0	0	0	5,612	0	0
Geological Survey	307,166	2,877	0	38,135	237,332	17,123	11,329	370	0
Minerals Management Service	20,812	36	0	0	14,243	158	3,970	1,924	481
National Biological Service[9]	138,462	138,462	0	0	0	0	0	0	0
National Park Service[9]	23,608	7,823	0	0	3,118	524	371	11,129	643
Department of Justice, total	21,782	0	1,175	0	0	0	400	18,985	1,222
Bureau of Prisons[10]	2,300	0	475	0	0	0	0	1,825	0
Drug Enforcement Administration	72	0	0	0	0	0	0	0	72
Immigration & Naturalization Svc	400	0	0	0	0	0	400	0	0
Office of Justice Programs	19,010	0	700	0	0	0	0	17,160	1,150
Department of Labor, total	18,704	0	0	0	0	0	0	18,704	0
Bureau of Labor Statistics	1,500	0	0	0	0	0	0	1,500	0
Employment & Training Admin	7,059	0	0	0	0	0	0	7,059	0
Occupational Safety & Health Administration	4,390	0	0	0	0	0	0	4,390	0
Office of the Secretary	2,942	0	0	0	0	0	0	2,942	0
Pension Benefit Guaranty Corporation	102	0	0	0	0	0	0	102	0
Pension & Welfare Benefit Admin	2,711	0	0	0	0	0	0	2,711	0
Department of State[11]	400	0	0	0	0	0	0	400	0
Department of Transportation, total	363,747	11,088	30,685	1,500	7,753	36,431	257,124	13,281	5,885
Coast Guard	5,397	0	675	0	690	1,318	2,714	0	0
Federal Aviation Administration	87,042	5,599	28,648	1,000	1,540	0	48,955	0	1,300
Federal Highway Administration	204,432	2,473	1,362	0	5,178	26,407	159,806	4,621	4,585
Federal Railroad Administration	21,252	0	0	500	200	0	20,552	0	0
Federal Transit Administration[12]	11,247	0	0	0	115	1,633	5,040	4,459	0
Maritime Administration	2,658	0	0	0	0	0	2,658	0	0
National Highway Traffic Safety Administration	25,927	3,016	0	0	0	4,918	14,260	3,733	0
Office of the Secretary	615	0	0	0	30	0	585	0	0
Research & Special Programs Administration	5,177	0	0	0	0	2,155	2,554	468	0

See explanatory information, if any, and SOURCE at end of table.

Table C-42. Estimated Federal obligations for applied research, by agency and field of science and engineering: fiscal year 1995

[Dollars in thousands]

Page 3 of 3

Agency and subdivision	Total	Life sciences	Psychology	Physical sciences	Environmental sciences	Mathematics and computer sciences	Engineering	Social sciences	Other sciences, n.e.c.
Department of the Treasury, total	36,703	520	402	1,235	0	33,956	32	558	0
Bureau of Engraving & Printing	1,267	0	0	1,235	0	0	32	0	0
Internal Revenue Service[13]	33,696	0	0	0	0	33,696	0	0	0
Office of Thrift Supervision[14]	558	0	0	0	0	0	0	558	0
United States Customs Service	620	360	0	0	0	260	0	0	0
United States Secret Service[15]	562	160	402	0	0	0	0	0	0
Department of Veterans Affairs	220,419	205,165	15,063	0	0	0	191	0	0
Other agencies:									
Advisory Commission on Intergovernmental Relations	1,327	0	0	0	0	0	0	1,327	0
Agency for International Dvlpmt	230,770	134,714	0	0	3,530	0	320	32,943	59,263
Appalachian Regional Commission	900	0	0	0	0	0	0	900	0
Environmental Protection Agency	310,815	85,924	0	0	133,012	0	91,879	0	0
Federal Communications Commission	2,055	0	0	80	0	128	1,444	403	0
Federal Trade Commission	934	0	0	0	0	0	0	934	0
Library of Congress	1,457	0	0	0	0	0	0	0	1,457
National Aeronautics & Space Admin	1,331,510	9,222	11,302	1,250,616	7,070	8,369	38,481	0	6,450
National Archives & Records Admin	120	0	0	120	0	0	0	0	0
National Science Foundation	184,950	17,546	5,202	21,065	8,009	24,824	78,770	10,411	19,123
Nuclear Regulatory Commission	86,026	0	0	0	0	0	86,026	0	0
Tennessee Valley Authority	17,380	2,094	0	5,300	942	0	2,325	475	6,244
US Arms Control & Disarmament Agency[16]	1,050	47	0	283	0	594	0	126	0
United States Information Agency	317	0	0	0	0	0	317	0	0
US International Trade Commission	10,170	0	0	0	0	0	0	10,170	0

[1] Data reported for the Agricultural Marketing Service include funds for the Office of Transportation beginning in 1989.

[2] The Human Nutrition Information Service merged with the Agricultural Research Service on February 20, 1994.

[3] The Cooperative State Research Service merged with the Extension Service on October 19, 1994, due to a reorganization within the Department of Agriculture.

[4] Name changed from Federal Grain Inspection Service on October 20, 1994.

[5] The Office of International Cooperation and Development became part of the Foreign Agricultural Service (FAS) in June of 1994. Data reported for FAS include funds appropriated to International Cooperation and Development programs within FAS as of fiscal year 1995.

[6] In fiscal year 1991 Human Development Services was replaced by the Administration for Children and Families and by the Administration on Aging. Beginning in fiscal year 1992, data shown for the Administration for Children and Families are separate from obligations for the Administration on Aging.

[7] In fiscal year 1991 the Agency for Health Care Policy and Research became separate from the Office of the Assistant Secretary for Health.

[8] As of March 31, 1995, the Social Security Administration became an independent agency; it is no longer part of the Department of Health & Human Services.

[9] The National Biological Service's name changed from the National Biological Survey on January 5, 1995. As of fiscal year 1994, the National Biological Service performs all biological research activities formerly funded by the US Fish & Wildlife Service and the National Park Service.

[10] Formerly listed as Federal Prison System.

[11] Increases in outlays and obligations reported by the Department of State during the Vol. 44 survey cycle reflect reporting of monies received through interagency agreements from the Agency for International Development. The Department of State transfers these outlays and obligations to other R&D performers.

[12] Name changed from Urban Mass Transit Administration on December 18, 1991.

[13] Large changes in obligations reported by the Internal Revenue Service for Vol. 44 are due to the shifts in research funding.

[14] In 1989 the Federal Home Loan Bank Board was replaced by the Office of Thrift Supervision. In 1990 the Office of Thrift Supervision became part of the Department of the Treasury.

[15] Formerly listed as Office of Protective Research.

[16] Fiscal year 1994 figures are estimates based on the Vol. 43 submission.

NOTE: Data for only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal Funds Survey, refer to appendix A.

KEY: n.e.c. = Not elsewhere classified

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1994, 1995, and 1996.

Table C-43. Estimated Federal obligations for applied research, by agency and field of science and engineering: fiscal year 1996

[Dollars in thousands]

Page 1 of 3

Agency and subdivision	Total	Life sciences	Psychology	Physical sciences	Environmental sciences	Mathematics and computer sciences	Engineering	Social sciences	Other sciences, n.e.c.
Total, all agencies	14,233,548	4,817,388	320,386	2,805,390	1,039,581	995,785	3,117,673	533,599	603,766
Departments									
Department of Agriculture, total	698,828	472,041	426	49,850	9,265	14,692	52,466	96,394	3,694
Agricultural Marketing Service[1]	4,141	4,141	0	0	0	0	0	0	0
Agricultural Research Service[2]	259,017	218,711	0	29,681	2,371	1,039	7,215	0	0
Cooperative State Research, Education, & Extension Svc[3]	215,122	150,619	0	14,796	1,239	0	15,888	32,580	0
Economic Research Service	49,199	0	0	0	0	0	0	49,199	0
Grain Inspection Packers & Stockyards Administration[4]	2,813	2,813	0	0	0	0	0	0	0
Foreign Agricultural Service[5]	355	355	0	0	0	0	0	0	0
Forest Service	163,700	95,402	426	5,373	5,655	11,172	29,363	12,615	3,694
Nat'l Agricultural Statistics Svc	2,481	0	0	0	0	2,481	0	0	0
Rural Business & Coop Dvlpmt Svc	2,000	0	0	0	0	0	0	2,000	0
Department of Commerce, total	968,405	118,637	265	75,090	316,525	179,111	213,839	22,213	42,725
Bureau of the Census	3,040	0	265	0	0	1,916	0	785	74
Economic Development Admin	1,500	0	0	0	0	0	0	1,500	0
National Institute of Standards & Technology	410,926	2,932	0	51,918	171	157,496	197,691	718	0
National Oceanic & Atmospheric Administration	546,416	115,705	0	23,172	316,354	19,699	9,625	19,210	42,651
National Telecommunications & Information Administration	6,523	0	0	0	0	0	6,523	0	0
Department of Defense, total	2,948,872	146,756	68,383	409,344	88,355	520,984	1,583,790	2,773	128,487
Department of the Army	472,537	63,758	7,540	35,087	21,839	50,652	287,261	375	6,025
Department of the Navy	480,263	13,980	14,124	127,305	16,565	16,518	287,702	0	4,069
Department of the Air Force	673,655	29,914	35,987	163,865	4,688	52,932	386,269	0	0
Defense agencies, total	1,322,417	39,104	10,732	83,087	45,263	400,882	622,558	2,398	118,393
Advanced Rsch Projects Agency	801,289	0	0	3,224	23,945	378,359	392,615	0	3,146
Ballistic Missile Defense Organization	111,456	0	0	31,549	8,610	14,274	57,023	0	0
Defense Info Systems Agency	1,820	0	0	0	0	0	0	0	1,820
Defense Logistics Agency	8,389	0	8,389	0	0	0	0	0	0
Defense Nuclear Agency	218,933	5,016	0	42,022	4,521	2,982	77,468	0	86,924
Special Operations Command	20,926	638	0	0	0	0	19,762	0	526
Washington Headquarters Svcs	159,604	33,450	2,343	6,292	8,187	5,267	75,690	2,398	25,977
Department of Education	142,630	12,710	3,103	0	0	774	6,464	119,579	0
Department of Energy	1,771,855	77,882	0	755,950	171,205	118,073	614,048	1,358	33,339

See explanatory information, if any, and SOURCE at end of table.

Table C-43. Estimated Federal obligations for applied research, by agency and field of science and engineering: fiscal year 1996

[Dollars in thousands]

Page 2 of 3

Agency and subdivision	Total	Life sciences	Psychology	Physical sciences	Environmental sciences	Mathematics and computer sciences	Engineering	Social sciences	Other sciences, n.e.c.
Dept of Health & Human Svcs, total	4,110,348	3,374,057	109,872	36,949	0	42,123	39,166	114,459	313,722
Administration on Aging[6]	3,200	0	0	0	0	0	0	3,200	0
Admin for Children & Families[6]	10,661	0	0	0	0	0	0	10,661	0
Agency for Health Care Policy & Research[7]	177,342	64,296	455	0	0	16,931	0	44,218	51,442
Centers for Disease Control & Prevention	217,128	217,128	0	0	0	0	0	0	0
Food & Drug Administration	171,823	171,823	0	0	0	0	0	0	0
Health Care Financing Admin	64,500	64,500	0	0	0	0	0	0	0
Health Resources & Svcs Admin	9,590	9,590	0	0	0	0	0	0	0
National Institutes of Health	3,443,826	2,846,720	109,417	36,949	0	25,192	39,166	44,102	262,280
Office of the Secretary	12,278	0	0	0	0	0	0	12,278	0
Department of Housing & Urban Dvlpmt	15,316	0	0	0	931	497	396	12,617	875
Department of the Interior, total	563,829	153,367	0	39,048	268,546	19,025	70,163	12,201	1,479
Bureau of Mines	55,166	0	0	0	6,749	0	48,417	0	0
Bureau of Reclamation	5,662	0	0	0	0	0	5,662	0	0
Geological Survey	315,044	2,937	0	39,048	243,688	17,427	11,572	372	0
Minerals Management Service	22,662	35	0	0	14,991	1,074	4,141	1,585	836
National Biological Service[8]	142,572	142,572	0	0	0	0	0	0	0
National Park Service[8]	22,723	7,823	0	0	3,118	524	371	10,244	643
Department of Justice, total	23,373	0	1,200	0	0	0	400	21,175	598
Bureau of Prisons[9]	2,300	0	475	0	0	0	0	1,825	0
Drug Enforcement Administration	48	0	0	0	0	0	0	0	48
Immigration & Naturalization Svc	400	0	0	0	0	0	400	0	0
Office of Justice Programs	20,625	0	725	0	0	0	0	19,350	550
Department of Labor, total	23,577	0	0	0	0	0	0	23,577	0
Bureau of Labor Statistics	1,800	0	0	0	0	0	0	1,800	0
Employment & Training Admin	11,905	0	0	0	0	0	0	11,905	0
Occupational Safety & Health Administration	4,423	0	0	0	0	0	0	4,423	0
Office of the Secretary	2,613	0	0	0	0	0	0	2,613	0
Pension Benefit Guaranty Corporation	53	0	0	0	0	0	0	53	0
Pension & Welfare Benefit Admin	2,783	0	0	0	0	0	0	2,783	0
Department of State[10]	411	0	0	0	0	0	0	411	0
Department of Transportation, total	311,340	7,902	26,676	3,385	6,801	30,941	217,123	13,326	5,186
Coast Guard	5,493	0	659	0	657	1,378	2,799	0	0
Federal Aviation Administration	78,048	4,485	24,748	2,530	1,553	0	43,299	0	1,433
Federal Railroad Administration	16,242	0	0	500	600	0	15,142	0	0
Infrastructure Investment[11]	180,381	2,057	1,269	0	3,961	23,381	137,206	8,754	3,753
Maritime Administration	4,977	0	0	0	0	0	4,977	0	0
National Highway Traffic Safety Administration	20,151	1,360	0	0	0	3,527	11,160	4,104	0
Office of the Secretary	642	0	0	0	30	0	612	0	0
Research & Special Programs Administration	5,406	0	0	355	0	2,655	1,928	468	0

See explanatory information, if any, and SOURCE at end of table.

Table C-43. Estimated Federal obligations for applied research, by agency and field of science and engineering: fiscal year 1996

[Dollars in thousands]

Page 3 of 3

Agency and subdivision	Total	Life sciences	Psychology	Physical sciences	Environmental sciences	Mathematics and computer sciences	Engineering	Social sciences	Other sciences n.e.c.
Department of the Treasury, total	37,779	500	413	2,481	0	33,696	35	654	0
Bureau of Engraving & Printing	2,156	0	0	2,121	0	0	35	0	0
Internal Revenue Service[12]	33,696	0	0	0	0	33,696	0	0	0
Office of Thrift Supervision[13]	654	0	0	0	0	0	0	654	0
United States Customs Service	700	340	0	360	0	0	0	0	0
United States Secret Service[14]	573	160	413	0	0	0	0	0	0
Department of Veterans Affairs	218,500	203,254	15,055	0	0	0	191	0	0
Other agencies									
Advisory Commission on Intergovernmental Relations	1,482	0	0	0	0	0	0	1,482	0
Agency for International Dvlpmt	190,669	118,111	0	0	2,143	0	640	29,270	40,505
Appalachian Regional Commission	900	0	0	0	0	0	0	900	0
Environmental Protection Agency	371,601	102,729	0	0	159,028	0	109,844	0	0
Federal Communications Commission	1,804	0	0	85	0	160	1,249	310	0
Federal Trade Commission	982	0	0	0	0	0	0	982	0
Library of Congress	1,462	0	0	0	0	0	0	0	1,462
National Aeronautics & Space Admin	1,483,524	9,224	9,720	1,404,063	7,071	8,518	38,481	0	6,447
National Archives & Records Admin	120	0	0	120	0	0	0	0	0
National Science Foundation	195,409	17,719	5,273	22,537	8,608	26,577	84,569	11,182	18,944
Nuclear Regulatory Commission	81,787	0	0	0	0	0	81,787	0	0
Social Security Administration[15]	37,235	0	0	0	0	0	0	37,235	0
Tennessee Valley Authority	19,340	2,452	0	6,205	1,103	0	2,722	555	6,303
US Arms Control & Disarmament Agency[16]	1,050	47	0	283	0	594	0	126	0
United States Information Agency	300	0	0	0	0	0	300	0	0
US International Trade Commission	10,820	0	0	0	0	0	0	10,820	0

[1] Data reported for the Agricultural Marketing Service include funds for the Office of Transportation beginning in 1989.

[2] The Human Nutrition Information Service merged with the Agricultural Research Service on February 20, 1994.

[3] The Cooperative State Research Service merged with the Extension Service on October 19, 1994, due to a reorganization within the Department of Agriculture.

[4] Name changed from Federal Grain Inspection Service on October 20, 1994.

[5] The Office of International Cooperation and Development became part of the Foreign Agricultural Service (FAS) in June of 1994. Data reported for FAS include funds appropriated to International Cooperation and Development programs within FAS as of fiscal year 1995.

[6] In fiscal year 1991 Human Development Services was replaced by the Administration for Children and Families and by the Administration on Aging. Beginning in fiscal year 1992, data shown for the Administration for Children and Families are separate from obligations for the Administration on Aging.

[7] In fiscal year 1991 the Agency for Health Care Policy and Research became separate from the Office of the Assistant Secretary for Health.

[8] The National Biological Service's name changed from the National Biological Survey on January 5, 1995. As of fiscal year 1994, the National Biological Service performs all biological research activities formerly funded by the US Fish & Wildlife Service and the National Park Service.

[9] Formerly listed as Federal Prison System.

[10] Increases in outlays and obligations reported by the Department of State during the Vol. 44 survey cycle reflect reporting of monies received through interagency agreements from the Agency for International Development. The Department of State transfers these outlays and obligations to other R&D performers.

[11] Monies estimated for fiscal year 1996 by Infrastructure Investment represent a proposed consolidation of several agencies within the Department of Transportation.

[12] Large changes in obligations reported by the Internal Revenue Service for Vol. 44 are due to the shifts in research funding.

[13] In 1989 the Federal Home Loan Bank Board was replaced by the Office of Thrift Supervision. In 1990 the Office of Thrift Supervision became part of the Department of the Treasury.

[14] Formerly listed as Office of Protective Research.

[15] As of March 31, 1995, the Social Security Administration became an independent agency; it is no longer part of the Department of Health & Human Services.

[16] Fiscal year 1994 figures are estimates based on the Vol. 43 submission.

NOTE: Data for only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal Funds Survey, refer to appendix A.

KEY: n.e.c. = Not elsewhere classified

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1994, 1995, and 1996

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Table C-44. Federal obligations for applied research in psychology and life sciences, by agency and detailed field of science: fiscal year 1994

[Dollars in thousands]

Page 1 of 2

Agency and subdivision	Psychology				Life sciences					
	Total	Bio-logical aspects	Social aspects	Psycho-logical sciences, n.e.c.	Total	Bio-logical	Environ-mental biology	Agri-cultural	Medical	Life sciences, n.e.c.
Total, all agencies	302,861	23,317	100,439	179,105	4,648,975	1,495,357	382,600	419,538	2,148,633	202,847
Departments:										
Department of Agriculture, total	407	0	407	0	485,053	54,275	147,290	270,593	12,895	0
Agricultural Marketing Service[1]	0	0	0	0	4,231	0	0	4,231	0	0
Agricultural Research Service[2]	0	0	0	0	220,995	5,793	33,860	177,454	3,888	0
Cooperative State Research, Education, & Extension Svc[3]	0	0	0	0	159,644	31,336	44,671	78,471	5,166	0
Grain Inspection Packers & Stockyards Administration[4]	0	0	0	0	1,791	0	0	1,791	0	0
Foreign Agricultural Service[5]	0	0	0	0	194	0	0	194	0	0
Forest Service	407	0	407	0	91,206	17,146	68,759	1,460	3,841	0
Human Nutrition Information Svc[2]	0	0	0	0	6,992	0	0	6,992	0	0
Department of Commerce, total	221	0	221	0	111,153	22,474	62,369	20,834	4,785	691
Bureau of the Census	221	0	221	0	0	0	0	0	0	0
National Institute of Standards & Technology	0	0	0	0	3,396	2,702	0	0	694	0
National Oceanic & Atmospheric Administration	0	0	0	0	107,757	19,772	62,369	20,834	4,091	691
Department of Defense, total	58,038	3,403	51,643	2,992	192,328	12,599	30,495	0	139,885	9,349
Department of the Army	17,732	875	16,572	285	99,689	6,767	727	0	86,895	5,300
Department of the Navy	12,763	2,099	10,664	0	13,623	5,832	1,586	0	6,205	0
Department of the Air Force	18,512	429	15,510	2,573	45,237	0	28,182	0	14,488	2,567
Defense agencies, total	9,031	0	8,897	134	33,779	0	0	0	32,297	1,482
Defense Logistics Agency	8,897	0	8,897	0	0	0	0	0	0	0
Defense Nuclear Agency	0	0	0	0	4,724	0	0	0	4,724	0
Special Operations Command	0	0	0	0	1,482	0	0	0	0	1,482
Washington Headquarters Svcs	134	0	0	134	27,573	0	0	0	27,573	0
Department of Education	3,724	0	2,635	1,089	12,861	0	0	0	4,968	7,893
Department of Energy	0	0	0	0	86,084	9,152	2,233	547	70,809	3,343
Dept of Health & Human Svcs, total	176,210	6,262	1,701	168,247	3,158,230	1,274,074	59	61,671	1,663,038	159,388
Agency for Health Care Policy & Research[6]	349	0	349	0	49,274	0	0	0	38,946	10,328
Centers for Disease Control & Prevention	0	0	0	0	206,800	0	0	0	206,800	0
Food & Drug Administration	0	0	0	0	169,433	92,595	0	61,671	0	15,167
Health Care Financing Admin	0	0	0	0	79,959	0	0	0	0	79,959
Health Resources & Svcs Admin	0	0	0	0	9,779	0	0	0	9,779	0
National Institutes of Health	175,861	6,262	1,352	168,247	2,642,985	1,181,479	59	0	1,407,513	53,934
Department of the Interior, total	0	0	0	0	146,035	74,215	71,635	185	0	0
Geological Survey	0	0	0	0	2,783	1,244	1,409	130	0	0
Minerals Management Service	0	0	0	0	52	0	52	0	0	0
National Biological Service[7]	0	0	0	0	135,383	71,753	63,630	0	0	0
National Park Service[7]	0	0	0	0	7,817	1,218	6,544	55	0	0

See explanatory information, if any, and SOURCE at end of table.

Table C-44. Federal obligations for applied research in psychology and life sciences, by agency and detailed field of science: fiscal year 1994

[Dollars in thousands]

Page 2 of 2

Agency and subdivision	Psychology				Life sciences					
	Total	Biological aspects	Social aspects	Psychological sciences, n.e.c.	Total	Biological	Environmental biology	Agricultural	Medical	Life sciences, n.e.c.
Department of Justice, total	1,286	0	1,111	175	0	0	0	0	0	0
Bureau of Prisons[8]	450	0	275	175	0	0	0	0	0	0
Office of Justice Programs	836	0	836	0	0	0	0	0	0	0
Department of Transportation, total	28,724	0	28,724	0	7,348	1,123	0	34	4,387	1,804
Coast Guard	640	0	640	0	0	0	0	0	0	0
Federal Aviation Administration	27,111	0	27,111	0	4,387	0	0	0	4,387	0
Federal Highway Administration	973	0	973	0	1,576	816	0	34	0	726
National Highway Traffic Safety Administration	0	0	0	0	1,385	307	0	0	0	1,078
Department of the Treasury, total	355	0	0	355	344	240	0	0	104	0
United States Customs Service	0	0	0	0	240	240	0	0	0	0
United States Secret Service[9]	355	0	0	355	104	0	0	0	104	0
Department of Veterans Affairs	13,694	13,644	50	0	195,221	31,100	0	0	164,121	0
Other agencies										
Agency for International Dvlpmt	0	0	0	0	149,770	0	1,542	62,057	67,741	18,430
Environmental Protection Agency	0	0	0	0	76,115	0	62,366	0	13,749	0
National Aeronautics & Space Admin	15,117	0	13,393	1,724	8,911	3,966	215	1,445	2,151	1,134
National Science Foundation	5,085	8	554	4,523	17,271	12,139	4,396	0	0	736
Tennessee Valley Authority	0	0	0	0	2,172	0	0	2,172	0	0
US Arms Control & Disarmament Agency[10]	0	0	0	0	79	0	0	0	0	79

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[1] Data reported for the Agricultural Marketing Service include funds for the Office of Transportation beginning in 1989.

[2] The Human Nutrition Information Service merged with the Agricultural Research Service on February 20, 1994.

[3] The Cooperative State Research Service merged with the Extension Service on October 19, 1994, due to a reorganization within the Department of Agriculture.

[4] Name changed from Federal Grain Inspection Service on October 20, 1994.

[5] The Office of International Cooperation and Development became part of the Foreign Agricultural Service (FAS) in June of 1994. Data reported for FAS include funds appropriated to International Cooperation and Development programs within FAS as of fiscal year 1995.

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[7] The National Biological Service's name changed from the National Biological Survey on January 5, 1995. As of fiscal year 1994, the National Biological Service performs all biological research activities formerly funded by the US Fish & Wildlife Service and the National Park Service.

[8] Formerly listed as Federal Prison System.

[9] Formerly listed as Office of Protective Research.

[10] Fiscal year 1994 figures are estimates based on the Vol. 43 submission.

NOTE: Data for only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal Funds Survey, refer to appendix A.

KEY: n.e.c. = Not elsewhere classified

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1994, 1995, and 1996.

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Table C-45. Federal obligations for applied research in physical and environmental sciences, by agency and detailed field of science: fiscal year 1994

[Dollars in thousands]

Page 1 of 2

Agency and subdivision	Physical sciences					Environmental sciences				
	Total	Astronomy	Chemistry	Physics	Physical sciences n.e.c.	Total	Atmospheric	Geological	Oceanography	Environmental sciences n.e.c.
Total, all agencies	3,143,521	1,754,764	328,230	940,938	119,589	1,034,800	234,224	325,869	224,403	250,304
Departments										
Department of Agriculture, total	50,433	0	47,439	2,994	0	8,796	7,305	1,491	0	0
Agricultural Research Service[1]	27,933	0	26,453	1,480	0	1,865	1,636	229	0	0
Cooperative State Research, Education, & Extension Svc[2]	17,364	0	17,364	0	0	1,525	1,525	0	0	0
Forest Service	5,136	0	3,622	1,514	0	5,406	4,144	1,262	0	0
Department of Commerce, total	67,595	1,651	24,862	41,077	5	301,811	96,990	4,089	191,983	8,749
National Institute of Standards & Technology	46,307	0	14,875	31,427	5	220	0	220	0	0
National Oceanic & Atmospheric Administration	21,288	1,651	9,987	9,650	0	301,591	96,990	3,869	191,983	8,749
Department of Defense, total	391,176	0	68,093	287,186	35,897	97,586	25,028	18,817	16,971	36,770
Department of the Army	64,511	0	40,114	12,458	11,939	27,060	5,470	579	300	20,711
Department of the Navy	119,496	0	10,524	106,220	2,752	15,142	3,033	1,446	10,663	0
Department of the Air Force	118,275	0	14,236	103,868	171	2,254	966	1,288	0	0
Defense agencies, total	88,894	0	3,219	64,640	21,035	53,130	15,559	15,504	6,008	16,059
Advanced Rsch Projects Agency	14,404	0	0	8,644	5,760	26,620	0	15,254	5,758	5,608
Ballistic Missile Defense Organization	33,663	0	3,219	29,749	695	7,277	7,277	0	0	0
Defense Nuclear Agency	38,685	0	0	26,247	12,438	13,082	8,032	0	0	5,050
Washington Headquarters Svcs	2,142	0	0	0	2,142	6,151	250	250	250	5,401
Department of Energy	741,826	14,235	110,963	538,857	77,771	155,229	11,846	35,582	554	107,247
Dept of Health & Human Svcs, total	34,305	0	29,234	5,071	0	0	0	0	0	0
National Institutes of Health	34,305	0	29,234	5,071	0	0	0	0	0	0
Department of Housing & Urban Dvlpmt	0	0	0	0	0	17	0	0	0	17
Department of the Interior, total	37,337	0	31,114	6,223	0	266,402	2,711	249,830	12,078	1,783
Bureau of Mines	0	0	0	0	0	6,805	0	6,465	0	340
Geological Survey	37,337	0	31,114	6,223	0	244,115	750	243,365	0	0
Minerals Management Service	0	0	0	0	0	12,364	383	0	11,981	0
National Park Service[3]	0	0	0	0	0	3,118	1,578	0	97	1,443
Department of Transportation, total	3,140	0	0	3,140	0	5,706	2,512	1,416	660	1,118
Coast Guard	0	0	0	0	0	660	0	0	660	0
Federal Aviation Administration	2,640	0	0	2,640	0	1,456	1,456	0	0	0
Federal Highway Administration	0	0	0	0	0	2,965	1,056	1,416	0	493
Federal Railroad Administration	500	0	0	500	0	600	0	0	0	600
Office of the Secretary	0	0	0	0	0	25	0	0	0	25
Department of the Treasury, total	1,847	0	213	452	1,182	0	0	0	0	0
Bureau of Engraving & Printing	1,607	0	213	212	1,182	0	0	0	0	0
United States Customs Service	240	0	0	240	0	0	0	0	0	0

See explanatory information, if any, and SOURCE at end of table.

Table C-45. Federal obligations for applied research in physical and environmental sciences, by agency and detailed field of science: fiscal year 1994

[Dollars in thousands]

Page 2 of 2

Agency and subdivision	Physical sciences					Environmental sciences				
	Total	Astronomy	Chemistry	Physics	Physical sciences, n.e.c.	Total	Atmospheric	Geological	Oceanography	Environmental sciences, n.e.c.
Other agencies:										
Agency for International Dvlpmt	0	0	0	0	0	742	0	0	0	742
Consumer Product Safety Commission	130	0	130	0	0	0	0	0	0	0
Environmental Protection Agency	0	0	0	0	0	182,981	81,531	11,254	371	89,825
Federal Communications Commission	55	0	0	0	55	0	0	0	0	0
National Aeronautics & Space Admin	1,791,726	1,738,782	289	50,491	2,164	6,831	4,396	102	136	2,197
National Archives & Records Admin	130	0	80	50	0	0	0	0	0	0
National Science Foundation	17,800	96	10,133	5,187	2,384	7,670	928	3,288	1,598	1,856
Tennessee Valley Authority	5,496	0	5,496	0	0	977	977	0	0	0
US Arms Control & Disarmament Agency[4]	525	0	184	210	131	52	0	0	52	0

[1] The Human Nutrition Information Service merged with the Agricultural Research Service on February 20, 1994.

[2] The Cooperative State Research Service merged with the Extension Service on October 19, 1994, due to a reorganization within the Department of Agriculture.

[3] The National Biological Service's name changed from the National Biological Survey on January 5, 1995. As of fiscal year 1994, the National Biological Service performs all biological research activities formerly funded by the US Fish & Wildlife Service and the National Park Service.

[4] Fiscal year 1994 figures are estimates based on the Vol. 43 submission.

NOTE: Data for only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal Funds Survey, refer to appendix A.

KEY: n.e.c. = Not elsewhere classified

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1994, 1995, and 1996

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Table C-46. Federal obligations for applied research in engineering, by agency and detailed field of engineering: fiscal year 1994

[Dollars in thousands]

Page 1 of 2

Agency and subdivision	Total	Aero-nautical	Astro-nautical	Chemical	Civil	Elec-trical	Mechan-ical	Metallurgy and materials	Engi-neering, n.e.c.
Total, all agencies	2,961,570	138,045	78,415	167,146	240,851	523,192	231,314	494,242	1,088,365
Departments									
Department of Agriculture, total	52,409	0	0	4,650	5,397	231	2,922	0	39,209
Agricultural Research Service[1]	5,954	0	0	2,780	1,387	163	329	0	1,295
Cooperative State Research, Education, & Extension Svc[2]	18,383	0	0	0	0	0	0	0	18,383
Forest Service	28,072	0	0	1,870	4,010	68	2,593	0	19,531
Department of Commerce, total	99,869	0	0	4,773	8,382	27,769	5,128	25,661	28,156
National Institute of Standards & Technology	86,749	0	0	4,773	8,382	21,042	5,128	25,661	21,763
National Oceanic & Atmospheric Administration	8,283	0	0	0	0	1,890	0	0	6,393
National Telecommunications & Information Administration	4,837	0	0	0	0	4,837	0	0	0
Department of Defense, total	1,704,900	129,279	73,261	28,820	71,620	425,379	176,294	372,906	427,341
Department of the Army	368,570	37,613	0	15,575	43,196	116,573	83,931	13,886	57,796
Department of the Navy	266,898	6,951	40,715	6,951	12,923	96,886	56,344	44,261	1,867
Department of the Air Force	317,271	81,882	30,078	1,610	9,782	84,119	22,143	82,855	4,802
Defense agencies, total	752,161	2,833	2,468	4,684	5,719	127,801	13,876	231,904	362,876
Advanced Rsch Projects Agency	512,993	1,962	0	433	0	80,625	372	225,243	204,358
Ballistic Missile Defense Organization	53,292	871	2,468	2,112	0	29,015	12,165	6,661	0
Defense Nuclear Agency	78,115	0	0	2,139	5,719	16,473	1,339	0	52,445
Special Operations Command	31,221	0	0	0	0	0	0	0	31,221
Washington Headquarters Svcs	76,540	0	0	0	0	1,688	0	0	74,852
Department of Education	6,472	0	0	0	0	0	0	0	6,472
Department of Energy	545,995	0	803	100,578	36,512	41,735	21,313	9,964	335,090
Dept of Health & Human Svcs, total	36,363	0	0	0	0	0	0	0	36,363
National Institutes of Health	36,363	0	0	0	0	0	0	0	36,363
Department of Housing & Urban Dvlpmt	828	0	0	0	0	0	0	0	828
Department of the Interior, total	85,165	0	0	12,591	7,528	125	824	63,634	463
Bureau of Mines	63,148	0	0	0	0	0	0	63,148	0
Bureau of Reclamation	5,545	0	0	0	5,515	30	0	0	0
Geological Survey	10,987	0	0	9,957	780	95	155	0	0
Minerals Management Service	5,114	0	0	2,634	862	0	669	486	463
National Park Service[3]	371	0	0	0	371	0	0	0	0

See explanatory information, if any, and SOURCE at end of table.

Table C-46. Federal obligations for applied research in engineering, by agency and detailed field of engineering: fiscal year 1994

[Dollars in thousands]

Page 2 of 2

Agency and subdivision	Total	Aero-nautical	Astro-nautical	Chemical	Civil	Elec-trical	Mechan-ical	Metallurgy and materials	Engi-neering, n.e.c.
Department of Justice, total	400	0	0	0	0	175	225	0	0
Immigration & Naturalization Svc	400	0	0	0	0	175	225	0	0
Department of Transportation, total	184,094	245	0	2,378	104,343	4,453	13,144	9,325	50,206
Coast Guard	2,847	0	0	0	440	1,290	605	512	0
Federal Aviation Administration	42,369	0	0	0	34,943	0	0	7,426	0
Federal Highway Administration	102,010	0	0	2,278	61,501	891	372	737	36,231
Federal Railroad Administration	14,650	0	0	100	5,700	2,122	5,770	550	408
Federal Transit Administration[4]	4,572	0	0	0	170	150	300	0	3,952
Maritime Administration	1,744	0	0	0	1,589	0	0	0	155
National Highway Traffic Safety Administration	13,658	0	0	0	0	0	6,097	0	7,561
Office of the Secretary	545	245	0	0	0	0	0	0	300
Research & Special Programs Administration	1,699	0	0	0	0	0	0	100	1,599
Department of Veterans Affairs	191	0	0	0	0	0	0	0	191
Other agencies									
Agency for International Dvlpmt	564	0	0	0	564	0	0	0	0
Environmental Protection Agency	41,866	0	0	1,973	0	0	0	0	39,893
Federal Communications Commission	1,057	0	0	0	0	1,057	0	0	0
National Aeronautics & Space Admin	37,180	7,476	4,351	344	1,045	3,731	1,919	3,378	14,936
National Science Foundation	70,542	1,045	0	8,628	5,460	17,978	9,545	9,374	18,512
Nuclear Regulatory Commission	90,705	0	0	0	0	0	0	0	90,705
Tennessee Valley Authority	2,411	0	0	2,411	0	0	0	0	0
United States Information Agency	559	0	0	0	0	559	0	0	0

[1] The Human Nutrition Information Service merged with the Agricultural Research Service on February 20, 1994.

[2] The Cooperative State Research Service merged with the Extension Service on October 19, 1994, due to a reorganization within the Department of Agriculture.

[3] The National Biological Service's name changed from the National Biological Survey on January 5, 1995. As of fiscal year 1994, the National Biological Service performs all biological research activities formerly funded by the US Fish & Wildlife Service and the National Park Service.

[4] Name changed from Urban Mass Transit Administration on December 18, 1991.

NOTE: Data for only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal Funds Survey, refer to appendix A.

KEY: n.e.c. = Not elsewhere classified

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1994, 1995, and 1996

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Table C-47. Federal obligations for applied research in mathematics and computer sciences and in social sciences, by agency and detailed field of science: fiscal year 1994

[Dollars in thousands]

Page 1 of 3

Agency and subdivision	Mathematics and computer sciences				Social sciences					
	Total	Mathematics	Computer sciences	Mathematics and computer sciences, n.e.c.	Total	Anthropology	Economics	Political science	Sociology	Social sciences, n.e.c.
Total, all agencies	738,670	94,639	566,673	77,358	463,347	6,568	154,949	20,622	54,961	226,247
Departments:										
Department of Agriculture, total	14,419	13,402	1,017	0	100,883	246	93,573	0	7,064	0
Agricultural Cooperative Service	0	0	0	0	3,734	0	3,734	0	0	0
Agricultural Research Service[1]	1,148	131	1,017	0	0	0	0	0	0	0
Cooperative State Research, Education, & Extension Svc[2]	0	0	0	0	37,397	0	31,298	0	6,099	0
Economic Research Service	0	0	0	0	45,280	0	45,280	0	0	0
Forest Service	10,680	10,680	0	0	12,060	246	10,849	0	965	0
Nat'l Agricultural Statistics Svc	2,591	2,591	0	0	0	0	0	0	0	0
Rural Business & Coop Dvlpmt Svc	0	0	0	0	2,412	0	2,412	0	0	0
Department of Commerce, total	47,646	11,794	31,274	4,578	16,777	0	4,320	6,561	5,536	360
Bureau of the Census	1,597	1,386	211	0	653	0	357	296	0	0
Economic Development Admin	0	0	0	0	605	0	605	0	0	0
National Institute of Standards & Technology	30,497	3,325	22,594	4,578	319	0	319	0	0	0
National Oceanic & Atmospheric Administration	15,552	7,083	8,469	0	15,200	0	3,039	6,265	5,536	360
Department of Defense, total	446,581	33,632	381,217	31,732	981	217	365	0	244	155
Department of the Army	55,806	2,193	34,397	19,216	826	217	365	0	244	0
Department of the Navy	15,096	467	13,789	840	0	0	0	0	0	0
Department of the Air Force	66,186	17,700	37,955	10,531	0	0	0	0	0	0
Defense agencies, total	309,493	13,272	295,076	1,145	155	0	0	0	0	155
Advanced Rsch Projects Agency	292,444	7,278	284,428	738	0	0	0	0	0	0
Ballistic Missile Defense Organization	6,375	5,994	381	0	0	0	0	0	0	0
Defense Nuclear Agency	3,029	0	3,029	0	0	0	0	0	0	0
Washington Headquarters Svcs	7,645	0	7,238	407	155	0	0	0	0	155
Department of Education	1,423	0	1,423	0	106,755	0	0	0	1,946	104,809
Department of Energy	104,958	1,750	72,915	30,293	932	420	512	0	0	0

See explanatory information, if any, and SOURCE at end of table.

Table C-47. Federal obligations for applied research in mathematics and computer sciences and in social sciences, by agency and detailed field of science: fiscal year 1994

[Dollars in thousands]

Page 2 of 3

Agency and subdivision	Mathematics and computer sciences				Social sciences					
	Total	Mathematics	Computer sciences	Mathematics and computer sciences, n.e.c.	Total	Anthropology	Economics	Political science	Sociology	Social sciences, n.e.c.
Dept of Health & Human Svcs, total	36,364	23,572	12,618	174	122,737	0	11,123	2,840	17,610	91,164
Administration on Aging[3]	0	0	0	0	3,500	0	0	0	0	3,500
Admin for Children & Families[3]	0	0	0	0	10,436	0	0	0	0	10,436
Agency for Health Care Policy & Research[4]	12,975	353	12,448	174	33,887	0	11,123	2,840	17,610	2,314
National Institutes of Health	23,389	23,219	170	0	40,946	0	0	0	0	40,946
Office of the Secretary	0	0	0	0	11,741	0	0	0	0	11,741
Social Security Administration[5]	0	0	0	0	22,227	0	0	0	0	22,227
Department of Housing & Urban Dvlpmt	177	0	177	0	12,255	0	8,488	5	448	3,314
Department of the Interior, total	18,296	2,996	15,300	0	12,589	4,672	71	0	1,124	6,722
Geological Survey	16,353	2,996	13,357	0	330	0	0	0	0	330
Minerals Management Service	1,419	0	1,419	0	1,158	0	65	0	1,093	0
National Park Service[6]	524	0	524	0	11,101	4,672	6	0	31	6,392
Department of Justice, total	0	0	0	0	16,923	200	250	500	12,937	3,036
Bureau of Prisons[7]	0	0	0	0	1,650	50	50	0	1,100	450
Office of Justice Programs	0	0	0	0	15,273	150	200	500	11,837	2,586
Department of Labor, total	0	0	0	0	13,740	0	13,425	0	0	315
Bureau of Labor Statistics	0	0	0	0	1,500	0	1,500	0	0	0
Employment & Training Admin	0	0	0	0	2,864	0	2,864	0	0	0
Occupational Safety & Health Administration	0	0	0	0	3,310	0	3,310	0	0	0
Office of the Secretary	0	0	0	0	3,090	0	2,775	0	0	315
Pension Benefit Guaranty Corporation	0	0	0	0	301	0	301	0	0	0
Pension & Welfare Benefit Admin	0	0	0	0	2,675	0	2,675	0	0	0
Department of State[8]	0	0	0	0	389	0	19	269	82	19
Department of Transportation, total	25,508	1,514	23,141	853	11,470	0	3,066	522	6,528	1,354
Coast Guard	1,435	0	1,435	0	0	0	0	0	0	0
Federal Highway Administration	16,894	1,514	14,527	853	3,887	0	2,046	487	0	1,354
Federal Railroad Administration	0	0	0	0	300	0	300	0	0	0
Federal Transit Administration[9]	625	0	625	0	2,615	0	420	35	2,160	0
National Highway Traffic Safety Administration	5,904	0	5,904	0	4,368	0	0	0	4,368	0
Research & Special Programs Administration	650	0	650	0	300	0	300	0	0	0

See explanatory information, if any, and SOURCE at end of table.

Table C-47. Federal obligations for applied research in mathematics and computer sciences and in social sciences, by agency and detailed field of science: fiscal year 1994

[Dollars in thousands]

Page 3 of 3

Agency and subdivision	Mathematics and computer sciences				Social sciences					
	Total	Mathematics	Computer sciences	Mathematics and computer sciences, n.e.c.	Total	Anthropology	Economics	Political science	Sociology	Social sciences, n.e.c.
Department of the Treasury, total	6,134	0	6,134	0	481	0	481	0	0	0
Internal Revenue Service[10]	6,134	0	6,134	0	0	0	0	0	0	0
Office of Thrift Supervision[11]	0	0	0	0	481	0	481	0	0	0
Other agencies:										
Advisory Commission on Intergovernmental Relations	0	0	0	0	1,355	0	678	677	0	0
Agency for International Dvlpmt	1,784	0	1,784	0	23,907	0	5,568	8,545	0	9,794
Appalachian Regional Commission	0	0	0	0	900	0	0	0	0	900
Federal Communications Commission	123	0	123	0	448	0	448	0	0	0
Federal Trade Commission	0	0	0	0	705	0	705	0	0	0
National Aeronautics & Space Admin	10,654	3,535	4,941	2,178	0	0	0	0	0	0
National Science Foundation	24,172	2,050	14,572	7,550	9,030	813	2,003	467	1,442	4,305
Tennessee Valley Authority	0	0	0	0	490	0	490	0	0	0
US Arms Control & Disarmament Agency[12]	431	394	37	0	236	0	0	236	0	0
US International Trade Commission	0	0	0	0	9,364	0	9,364	0	0	0

[1] The Human Nutrition Information Service merged with the Agricultural Research Service on February 20, 1994.

[2] The Cooperative State Research Service merged with the Extension Service on October 19, 1994, due to a reorganization within the Department of Agriculture.

[3] In fiscal year 1991 Human Development Services was replaced by the Administration for Children and Families and by the Administration on Aging. Beginning in fiscal year 1992, data shown for the Administration for Children and Families are separate from obligations for the Administration on Aging.

[4] In fiscal year 1991 the Agency for Health Care Policy and Research became separate from the Office of the Assistant Secretary for Health.

[5] As of March 31, 1995, the Social Security Administration became an independent agency; it is no longer part of the Department of Health & Human Services.

[6] The National Biological Service's name changed from the National Biological Survey on January 5, 1995. As of fiscal year 1994, the National Biological Service performs all biological research activities formerly funded by the US Fish & Wildlife Service and the National Park Service.

[7] Formerly listed as Federal Prison System.

[8] Increases in outlays and obligations reported by the Department of State during the Vol. 44 survey cycle reflect reporting of monies received through interagency agreements from the Agency for International Development. The Department of State transfers these outlays and obligations to other R&D performers.

[9] Name changed from Urban Mass Transit Administration on December 18, 1991.

[10] Large changes in obligations reported by the Internal Revenue Service for Vol. 44 are due to the shifts in research funding.

[11] In 1989 the Federal Home Loan Bank Board was replaced by the Office of Thrift Supervision. In 1990 the Office of Thrift Supervision became part of the Department of the Treasury.

[12] Fiscal year 1994 figures are estimates based on the Vol. 43 submission.

NOTE: Data for only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal Funds Survey, refer to appendix A.

KEY: n.e.c. = Not elsewhere classified

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1994, 1995, and 1996.

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Table C-48. Federal obligations for development, by agency and performer: fiscal year 1994

[Dollars in thousands]

Page 1 of 3

Agency and subdivision	Total	Intramural[1]	Extramural							
			United States and territories							Foreign
			Industrial firms	FFRDCs admin by industrial firms	Universities and colleges	FFRDCs admin by univs and colleges	Other nonprofit institutions	FFRDCs admin by nonprofit institutions	State and local govts	
Total, all agencies	39,815,424	8,650,937	26,390,911	556,300	1,505,222	1,111,814	834,764	557,561	94,654	113,261
Departments										
Department of Agriculture, total	77,383	73,469	0	0	3,222	0	338	0	34	320
Agricultural Marketing Service[2]	612	612	0	0	0	0	0	0	0	0
Agricultural Research Service[3]	54,294	51,584	0	0	2,018	0	338	0	34	320
Animal & Plant Health Inspection Service	19,177	17,973	0	0	1,204	0	0	0	0	0
Forest Service	3,300	3,300	0	0	0	0	0	0	0	0
Department of Commerce, total	107,801	55,797	49,024	255	1,733	757	149	0	36	50
Bureau of the Census	1,991	1,991	0	0	0	0	0	0	0	0
National Institute of Standards & Technology	45,891	16,811	28,635	0	296	0	149	0	0	0
National Oceanic & Atmospheric Administration	59,919	36,995	20,389	255	1,437	757	0	0	36	50
Department of Defense, total[4]	30,303,845	6,460,627	22,013,477	103,952	624,803	201,866	358,728	454,141	0	86,251
Department of the Army	4,721,496	1,581,509	2,730,998	28,402	222,485	42,358	87,570	23,709	0	4,465
Department of the Navy	8,081,916	2,706,426	5,022,293	8,923	186,588	20,953	50,413	73,362	0	12,958
Department of the Air Force	11,713,143	623,872	10,781,529	13,669	36,007	11,210	1,323	245,152	0	381
Defense agencies, total	5,544,299	1,332,692	3,470,305	52,958	179,723	127,080	219,122	93,972	0	68,447
Advanced Rsch Projects Agency	1,825,310	348,773	1,109,788	1,496	88,133	41,513	212,109	19,698	0	3,800
Ballistic Missile Defense Organization	2,516,077	520,925	1,751,605	32,733	61,486	56,913	2,776	26,241	0	63,398
Defense Info Systems Agency	91,781	15,561	58,824	0	1,260	1,915	0	14,221	0	0
Defense Logistics Agency	28,234	9,277	10,092	0	5,741	0	2,914	210	0	0
Defense Mapping Agency	65,668	3,697	60,156	0	961	300	0	554	0	0
Defense Nuclear Agency	48,315	19,237	22,331	2,515	22	2,595	59	1,455	0	101
Joint Staff[5, 6]	10,693	9,415	1,278	0	0	0	0	0	0	0
Special Operations Command	219,642	58,448	161,194	0	0	0	0	0	0	0
Washington Headquarters Svcs	738,579	347,359	295,037	16,214	22,120	23,844	1,264	31,593	0	1,148
Operational Test & Evaluation, Director	11,234	624	10	0	0	0	300	10,300	0	0
Test & Evaluation, Deputy Under Secretary Defense	231,757	215,504	8,342	0	0	265	0	7,646	0	0
Department of Defense, total advanced technology (at)[4]	4,460,534	1,291,338	2,351,054	38,094	350,525	94,312	289,004	39,786	0	6,421
Department of the Army (at)	1,186,564	385,549	496,794	19,896	202,695	3,561	68,149	8,040	0	1,880
Department of the Navy (at)	411,854	175,470	201,443	0	22,521	7,301	3,543	1,576	0	0
Department of the Air Force (at)	448,344	78,961	347,178	855	12,367	2,004	917	5,839	0	223
Defense agencies, total (at)	2,413,772	651,358	1,305,639	17,343	112,942	81,446	216,395	24,331	0	4,318
Advanced Rsch Projects Agency (at)	1,781,242	315,759	1,098,734	1,496	88,133	41,513	212,109	19,698	0	3,800
Ballistic Missile Defense Organization (at)	106,058	24,724	64,743	462	800	14,333	49	530	0	417
Defense Logistics Agency (at)	28,234	9,277	10,092	0	5,741	0	2,914	210	0	0
Defense Nuclear Agency (at)	48,315	19,237	22,331	2,515	22	2,595	59	1,455	0	101
Special Operations Command (at)	88,358	23,880	64,478	0	0	0	0	0	0	0
Washington Headquarters Services (at)	361,565	258,481	45,261	12,870	18,246	23,005	1,264	2,438	0	0

See explanatory information, if any, and SOURCE at end of table.

Table C-48. Federal obligations for development, by agency and performer: fiscal year 1994

[Dollars in thousands]

Page 2 of 3

Agency and subdivision	Total	Intramural[1]	Extramural							
			United States and territories							Foreign
			Industrial firms	FFRDCs admin by industrial firms	Universities and colleges	FFRDCs admin by univs and colleges	Other nonprofit institutions	FFRDCs admin by nonprofit institutions	State and local govts	
Department of Defense, total major systems (ms)[4]	25,811,960	5,142,935	19,659,079	65,858	272,625	107,554	69,724	414,355	0	79,830
Department of the Army (ms)	3,514,274	1,179,021	2,232,138	8,506	18,137	38,797	19,421	15,669	0	2,585
Department of the Navy (ms)	7,670,062	2,530,956	4,820,850	8,923	164,067	13,652	46,870	71,786	0	12,958
Department of the Air Force (ms)	11,264,799	544,911	10,434,351	12,814	23,640	9,206	406	239,313	0	158
Defense agencies, total (ms)	3,119,834	671,919	2,163,388	35,615	66,781	45,634	2,727	69,641	0	64,129
Advanced Rsch Projects Agency (ms)	44,068	33,014	11,054	0	0	0	0	0	0	0
Ballistic Missile Defense Organization (ms)	2,410,019	496,201	1,686,862	32,271	60,686	42,580	2,727	25,711	0	62,981
Defense Info Systems Agency (ms)	91,781	15,561	58,824	0	1,260	1,915	0	14,221	0	0
Defense Mapping Agency (ms)	65,668	3,697	60,156	0	961	300	0	554	0	0
Special Operations Command (ms)	131,284	34,568	96,716	0	0	0	0	0	0	0
Washington Headquarters Services (ms)	377,014	88,878	249,776	3,344	3,874	839	0	29,155	0	1,148
Operational Test & Evaluation, Director (ms)	11,234	624	10	0	0	0	300	10,300	0	0
Test & Evaluation, Deputy Under Secretary Defense (ms)	231,757	215,504	8,342	0	0	265	0	7,646	0	0
Department of Education	39,859	1,904	3,102	0	16,570	0	17,209	0	1,074	0
Department of Energy	2,765,519	344,189	1,355,297	434,784	36,173	482,649	19,588	85,660	899	6,280
Dept of Health & Human Svcs, total	1,285,078	288,248	53,319	15,358	682,484	3,227	217,316	1,906	16,376	6,844
Administration on Aging[7]	15,621	683	0	0	1,870	0	8,782	0	4,286	0
Admin for Children & Families[7]	880	18	0	0	774	0	88	0	0	0
Agency for Health Care Policy & Research[8]	12,351	12,351	0	0	0	0	0	0	0	0
Health Resources & Svcs Admin	5,824	350	0	0	5,474	0	0	0	0	0
National Institutes of Health	1,249,646	274,778	53,319	15,358	674,044	3,227	208,080	1,906	12,090	6,844
Office of the Assistant Secretary for Health	756	68	0	0	322	0	366	0	0	0
Department of Housing & Urban Dvlpmt	25,888	13,863	7,146	0	140	0	4,739	0	0	0
Department of the Interior, total	43,945	26,114	12,672	159	1,981	0	1,280	0	1,739	0
Bureau of Mines	12,502	8,585	1,949	159	1,272	0	0	0	537	0
Bureau of Reclamation	1,848	1,848	0	0	0	0	0	0	0	0
Geological Survey	15,694	4,739	10,700	0	255	0	0	0	0	0
National Biological Service[9]	13,783	10,847	0	0	454	0	1,280	0	1,202	0
Office of the Secretary	118	95	23	0	0	0	0	0	0	0
Department of Justice, total	19,150	7,676	1,954	100	413	0	5,708	0	3,299	0
Bureau of Prisons[10]	3,250	450	0	0	0	0	0	0	2,800	0
Drug Enforcement Administration	828	78	650	100	0	0	0	0	0	0
Federal Bureau of Investigation	6,985	6,985	0	0	0	0	0	0	0	0
Office of Justice Programs	8,087	163	1,304	0	413	0	5,708	0	499	0
Department of Labor, total	40,128	1,181	10,748	0	50	0	8,226	0	19,923	0
Employment & Training Admin	36,883	700	9,000	0	0	0	7,266	0	19,917	0
Office of the Secretary	2,227	303	908	0	50	0	960	0	6	0
Pension Benefit Guaranty Corporation	1,018	178	840	0	0	0	0	0	0	0

See explanatory information, if any, and SOURCE at end of table.

Table C-48. Federal obligations for development, by agency and performer: fiscal year 1994

[Dollars in thousands]

Agency and subdivision	Total	Intramural[1]	Extramural							
			United States and territories							Foreign
			Industrial firms	FFRDCs admin by industrial firms	Universities and colleges	FFRDCs admin by univs and colleges	Other nonprofit institutions	FFRDCs admin by nonprofit institutions	State and local govts	
Department of Transportation, total	347,360	117,980	143,197	1,692	21,410	0	7,780	11,842	43,110	349
Coast Guard	16,747	12,085	4,662	0	0	0	0	0	0	0
Federal Aviation Administration	206,135	88,599	97,282	0	7,319	0	744	11,842	0	349
Federal Highway Administration	101,477	7,654	38,345	1,692	13,504	0	4,561	0	35,721	0
Federal Railroad Administration	3,412	1,197	540	0	0	0	1,675	0	0	0
Federal Transit Administration[11]	12,051	2,925	350	0	587	0	800	0	7,389	0
Office of the Secretary	4,865	4,450	415	0	0	0	0	0	0	0
Research & Special Programs Administration	2,673	1,070	1,603	0	0	0	0	0	0	0
Department of the Treasury, total	9,807	7,081	2,726	0	0	0	0	0	0	0
Bureau of Engraving & Printing	82	82	0	0	0	0	0	0	0	0
Internal Revenue Service[12]	5,181	5,181	0	0	0	0	0	0	0	0
United States Customs Service	3,995	1,800	2,195	0	0	0	0	0	0	0
United States Mint	549	18	531	0	0	0	0	0	0	0
Department of Veterans Affairs	24,500	23,100	0	0	1,400	0	0	0	0	0
Other agencies										
Agency for International Dvlpmt	38,092	6,122	1,386	0	1,893	0	24,986	0	0	3,705
Consumer Product Safety Commission	185	185	0	0	0	0	0	0	0	0
Environmental Protection Agency	151,176	32,264	53,742	0	26,832	0	31,564	0	6,774	0
Library of Congress	8,075	8,075	0	0	0	0	0	0	0	0
National Aeronautics & Space Admin	4,455,688	1,111,117	2,683,121	0	86,118	423,315	137,153	4,012	1,390	9,462
Tennessee Valley Authority	71,945	71,945	0	0	0	0	0	0	0	0

[1] Includes costs associated with the administration of intramural and extramural programs by Federal personnel as well as actual intramural performance

[2] Data reported for the Agricultural Marketing Service include funds for the Office of Transportation beginning in 1989

[3] The Human Nutrition Information Service merged with the Agricultural Research Service on February 20, 1994

[4] Not all Department of Defense (DoD) agencies with development obligations are able to categorize these obligations according to the advanced technology and major systems development breakdown. Therefore, total DoD development does not equal the sum of total DoD advanced technology development and total DoD major systems development.

[5] The name of this agency was changed from Joint Chiefs of Staff to Joint Staff in fiscal year 1986

[6] The Vol. 44 data for Joint Staff were prorated using Vol. 43 data

[7] In fiscal year 1991 Human Development Services was replaced by the Administration for Children and Families and by the Administration on Aging. Beginning in fiscal year 1992, data shown for the Administration for Children and Families are separate from obligations for the Administration on Aging

[8] In fiscal year 1991 the Agency for Health Care Policy and Research became separate from the Office of the Assistant Secretary for Health

[9] The National Biological Service's name changed from the National Biological Survey on January 5, 1995. As of fiscal year 1994, the National Biological Service performs all biological research activities formerly funded by the US Fish & Wildlife Service and the National Park Service

[10] Formerly listed as Federal Prison System

[11] Name changed from Urban Mass Transit Administration on December 18, 1991

[12] Large changes in obligations reported by the Internal Revenue Service for Vol. 44 are due to the shifts in research funding

NOTES: Data for only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal Funds Survey, refer to appendix A.

Beginning with this volume, Department of Defense development obligations are reported in two categories: advanced technology and major systems.

KEY: FFRDCs = Federally funded research and development centers

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1994, 1995, and 1996

Table C-49. Estimated Federal obligations for development, by agency and performer: fiscal year 1995

[Dollars in thousands]

Page 1 of 3

Agency and subdivision	Total	Intramural[1]	Extramural								
			United States and territories								Foreign
			Industrial firms	FFRDCs admin by industrial firms	Universities and colleges	FFRDCs admin by univs and colleges	Other nonprofit institutions	FFRDCs admin by nonprofit institutions	State and local govts		
Total, all agencies	42,290,032	9,534,852	27,708,594	487,937	1,446,064	1,267,130	955,078	603,304	140,473	146,600
Departments:										
Department of Agriculture, total	79,242	75,068	0	0	3,560	0	328	0	34	252
Agricultural Marketing Service[2]	614	614	0	0	0	0	0	0	0	0
Agricultural Research Service[3]	54,710	51,736	0	0	2,360	0	328	0	34	252
Animal & Plant Health Inspection Service	19,118	17,918	0	0	1,200	0	0	0	0	0
Forest Service	4,800	4,800	0	0	0	0	0	0	0	0
Department of Commerce, total	358,455	62,716	289,342	0	3,945	400	1,981	0	21	50
Bureau of the Census	2,062	2,062	0	0	0	0	0	0	0	0
National Institute of Standards & Technology	309,401	25,430	279,053	0	2,987	0	1,931	0	0	0
National Oceanic & Atmospheric Administration	46,992	35,224	10,289	0	958	400	50	0	21	50
Department of Defense, total[4]	30,972,513	7,001,702	22,131,334	80,510	554,095	182,733	468,395	448,110	56	105,578
Department of the Army	4,693,039	1,608,517	2,721,175	21,160	146,732	23,401	138,828	24,305	0	8,921
Department of the Navy	8,323,204	2,850,035	5,070,098	7,231	206,691	20,353	84,483	73,772	0	10,541
Department of the Air Force	11,871,403	751,568	10,839,149	14,563	21,839	18,465	1,081	224,215	0	523
Defense agencies, total	5,838,723	1,575,971	3,489,060	37,556	178,833	120,164	243,703	107,787	56	85,593
Advanced Rsch Projects Agency	1,689,080	427,240	874,805	1,004	73,990	36,022	239,410	33,231	56	3,322
Ballistic Missile Defense Organization	2,362,109	476,256	1,692,187	19,547	50,423	56,626	754	24,005	0	42,311
Defense Info Systems Agency	68,409	15,787	39,115	0	1,024	255	0	12,228	0	0
Defense Logistics Agency	27,127	9,485	10,942	200	6,500	0	0	0	0	0
Defense Mapping Agency	64,219	3,577	58,309	0	995	500	0	738	0	100
Defense Nuclear Agency	29,705	7,648	20,265	275	0	1,158	0	160	0	199
Joint Staff[1, 5]	4,159	1,741	2,418	0	0	0	0	0	0	0
Special Operations Command	238,358	54,056	142,645	3,996	0	0	0	0	0	37,661
Washington Headquarters Svcs	1,355,557	580,181	648,374	12,534	45,901	25,603	3,539	37,425	0	2,000
Operational Test & Evaluation, Director	19,102	5,132	0	0	0	350	300	13,320	0	0
Test & Evaluation, Deputy Under Secretary Defense	227,042	210,479	11,852	0	0	0	0	4,711	0	0
Department of Defense, total advanced technology (at)[4]	4,494,527	1,283,696	2,258,678	27,933	310,944	80,043	453,040	50,935	56	29,202
Department of the Army (at)	1,086,703	291,084	513,330	12,247	130,536	1,749	128,219	6,789	0	2,749
Department of the Navy (at)	592,094	190,264	263,237	77	44,324	9,078	83,288	1,826	0	0
Department of the Air Force (at)	456,021	79,360	354,997	798	11,730	2,241	875	5,684	0	336
Defense agencies, total (at)	2,359,709	722,988	1,127,114	14,811	124,354	66,975	240,658	36,636	56	26,117
Advanced Rsch Projects Agency (at)	1,658,938	397,098	874,805	1,004	73,990	36,022	239,410	33,231	56	3,322
Ballistic Missile Defense Organization (at)	85,560	15,110	60,212	1,075	1,000	6,897	0	1,266	0	0
Defense Logistics Agency (at)	27,127	9,485	10,942	200	6,500	0	0	0	0	0
Defense Nuclear Agency (at)	29,705	7,648	20,265	275	0	1,158	0	160	0	199
Special Operations Command (at)	98,862	20,542	54,206	1,518	0	0	0	0	0	22,596
Washington Headquarters Services (at)	459,517	273,105	106,684	10,739	42,864	22,898	1,248	1,979	0	0

See explanatory information, if any, and SOURCE at end of table.

Table C-49. Estimated Federal obligations for development, by agency and performer: fiscal year 1995

[Dollars in thousands]

Page 2 of 3

Agency and subdivision	Total	Intramural [1]	Extramural							
			United States and territories							Foreign
			Industrial firms	FFRDCs admin by industrial firms	Universities and colleges	FFRDCs admin by univs and colleges	Other nonprofit institutions	FFRDCs admin by nonprofit institutions	State and local govts	
Department of Defense, total major systems (ms) [4]	26,451,313	5,697,803	19,867,987	52,577	241,350	102,690	15,355	397,175	0	76,376
Department of the Army (ms)	3,583,822	1,298,971	2,205,594	8,913	14,395	21,652	10,609	17,516	0	6,172
Department of the Navy (ms)	7,731,110	2,659,771	4,806,861	7,154	162,367	11,275	1,195	71,946	0	10,541
Department of the Air Force (ms)	11,415,382	672,208	10,484,152	13,765	10,109	16,224	206	218,531	0	187
Defense agencies, total (ms)	3,474,855	851,242	2,359,528	22,745	54,479	53,189	3,045	71,151	0	59,476
Advanced Rsch Projects Agency (ms)	30,142	30,142	0	0	0	0	0	0	0	0
Ballistic Missile Defense Organization (ms)	2,276,549	461,146	1,631,975	18,472	49,423	49,729	754	22,739	0	42,311
Defense Info Systems Agency (ms)	68,409	15,787	39,115	0	1,024	255	0	12,228	0	0
Defense Mapping Agency (ms)	64,219	3,577	58,309	0	995	500	0	738	0	100
Special Operations Command (ms)	139,496	33,514	88,439	2,478	0	0	0	0	0	15,065
Washington Headquarters Services (ms)	896,040	307,076	541,690	1,795	3,037	2,705	2,291	35,446	0	2,000
Operational Test & Evaluation Director (ms)	19,102	5,132	0	0	0	350	300	13,320	0	0
Test & Evaluation, Deputy Under Secretary Defense (ms)	227,042	210,479	11,852	0	0	0	0	4,711	0	0
Department of Education	51,539	1,735	5,404	0	14,083	0	29,221	0	1,096	0
Department of Energy	2,907,144	352,169	1,524,977	391,711	49,122	432,070	18,359	137,731	714	291
Dept of Health & Human Svcs, total	1,336,963	293,134	81,936	15,616	695,990	3,307	219,291	1,960	18,809	6,920
Administration on Aging [7]	17,700	683	0	0	3,017	0	7,500	0	6,500	0
Admin for Children & Families [7]	915	18	0	0	805	0	92	0	0	0
Agency for Health Care Policy & Research [8]	13,015	13,015	0	0	0	0	0	0	0	0
Health Resources & Svcs Admin	5,850	350	0	0	5,500	0	0	0	0	0
National Institutes of Health	1,298,724	278,999	81,936	15,616	686,345	3,307	211,332	1,960	12,309	6,920
Office of the Assistant Secretary for Health	759	69	0	0	323	0	367	0	0	0
Department of Housing & Urban Dvlpmt	27,286	14,985	8,102	0	504	0	3,695	0	0	0
Department of the Interior, total	45,314	30,859	11,660	0	2,795	0	0	0	0	0
Bureau of Mines	14,984	11,753	2,135	0	1,096	0	0	0	0	0
Bureau of Reclamation	1,881	1,881	0	0	0	0	0	0	0	0
Geological Survey	13,968	4,188	9,525	0	255	0	0	0	0	0
National Biological Service [9]	14,437	12,993	0	0	1,444	0	0	0	0	0
Office of the Secretary	44	44	0	0	0	0	0	0	0	0
Department of Justice, total	23,473	12,193	1,736	100	395	0	5,655	0	3,394	0
Bureau of Prisons [10]	3,400	500	0	0	0	0	0	0	2,900	0
Drug Enforcement Administration	828	78	650	100	0	0	0	0	0	0
Federal Bureau of Investigation	10,490	10,490	0	0	0	0	0	0	0	0
Office of Justice Programs	8,755	1,125	1,086	0	395	0	5,655	0	494	0
Department of Labor, total	36,510	1,336	5,759	0	53	0	5,656	0	23,706	0
Employment & Training Admin	32,884	1,000	4,659	0	0	0	3,549	0	23,676	0
Office of the Secretary	2,929	155	584	0	53	0	2,107	0	30	0
Pension Benefit Guaranty Corporation	697	181	516	0	0	0	0	0	0	0

See explanatory information, if any, and SOURCE at end of table.

Table C-49. Estimated Federal obligations for development, by agency and performer: fiscal year 1995

[Dollars in thousands]

Page 3 of 3

Agency and subdivision	Total	Intramural[1]	Extramural							
			United States and territories							Foreign
			Industrial firms	FFRDCs admin by industrial firms	Universities and colleges	FFRDCs admin by univs and colleges	Other nonprofit institutions	FFRDCs admin by nonprofit institutions	State and local govts	
Department of Transportation, total	404.067	110.845	214.277	0	7.483	792	3.033	12.631	54.634	372
Coast Guard	16.191	11.668	4.523	0	0	0	0	0	0	0
Federal Aviation Administration	208.462	89.778	98.006	0	6.883	792	0	12.631	0	372
Federal Highway Administration	148.548	1	107.309	0	0	0	150	0	41.088	0
Federal Railroad Administration	12.355	2.292	180	0	0	0	2.883	0	7.000	0
Federal Transit Administration[11]	9.311	2.165	0	0	600	0	0	0	6.546	0
Office of the Secretary	3.369	2.914	455	0	0	0	0	0	0	0
Research & Special Programs Administration	5.831	2.027	3.804	0	0	0	0	0	0	0
Department of the Treasury, total	14.920	8.169	6.751	0	0	0	0	0	0	0
Bureau of Engraving & Printing	256	256	0	0	0	0	0	0	0	0
Internal Revenue Service[12]	6.371	6.371	0	0	0	0	0	0	0	0
United States Customs Service	7.755	1.500	6.255	0	0	0	0	0	0	0
United States Mint	538	42	496	0	0	0	0	0	0	0
Department of Veterans Affairs	26.500	24.750	0	0	1.750	0	0	0	0	0
Other agencies:										
Agency for International Dvlpmt	56.874	6.454	795	0	2.528	0	23.447	0	0	23.650
Consumer Product Safety Commission	275	272	3	0	0	0	0	0	0	0
Environmental Protection Agency	170.651	38.035	63.374	0	32.548	0	0	0	36.694	0
Library of Congress	7.771	7.771	0	0	0	0	0	0	0	0
National Aeronautics & Space Admin	5.703.835	1.425.959	3.363.144	0	77.213	647.828	176.017	2.872	1.315	9.487
Tennessee Valley Authority	66.700	66.700	0	0	0	0	0	0	0	0

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[1] Includes costs associated with the administration of intramural and extramural programs by Federal personnel as well as actual intramural performance

[2] Data reported for the Agricultural Marketing Service include funds for the Office of Transportation beginning in 1989

[3] The Human Nutrition Information Service merged with the Agricultural Research Service on February 20, 1994

[4] Not all Department of Defense (DoD) agencies with development obligations are able to categorize these obligations according to the advanced technology and major systems development breakdown. Therefore, total DoD development does not equal the sum of total DoD advanced technology development and total DoD major systems development

[5] The name of this agency was changed from Joint Chiefs of Staff to Joint Staff in fiscal year 1986

[6] The Vol. 44 data for Joint Staff were prorated using Vol. 43 data.

[7] In fiscal year 1991 Human Development Services was replaced by the Administration for Children and Families and by the Administration on Aging. Beginning in fiscal year 1992, data shown for the Administration for Children and Families are separate from obligations for the Administration on Aging.

[8] In fiscal year 1991 the Agency for Health Care Policy and Research became separate from the Office of the Assistant Secretary for Health.

[9] The National Biological Service's name changed from the National Biological Survey on January 5, 1995. As of fiscal year 1994, the National Biological Service performs all biological research activities formerly funded by the US Fish & Wildlife Service and the National Park Service

[10] Formerly listed as Federal Prison System

[11] Name changed from Urban Mass Transit Administration on December 18, 1991

[12] Large changes in obligations reported by the Internal Revenue Service for Vol. 44 are due to the shifts in research funding

NOTES: Data for only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal Funds Survey, refer to appendix A.

Beginning with this volume, Department of Defense development obligations are reported in two categories: advanced technology and major systems

KEY: FFRDCs = Federally funded research and development centers

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1994, 1995, and 1996

Table C-50. Estimated Federal obligations for development, by agency and performer: fiscal year 1996

[Dollars in thousands]

Page 1 of 3

Agency and subdivision	Total	Intramural[1]	Extramural								
			United States and territories								Foreign
			Industrial firms	FFRDCs admin by industrial firms	Universities and colleges	FFRDCs admin by univs and colleges	Other nonprofit institutions	FFRDCs admin by nonprofit institutions	State and local govts		
Total, all agencies	40,571,538	8,870,157	26,965,941	576,230	1,245,096	1,251,761	784,113	618,727	144,654	114,859	
Departments											
Department of Agriculture, total	78,961	75,047	0	0	3,503	0	125	0	34	252	
Agricultural Marketing Service[2]	614	614	0	0	0	0	0	0	0	0	
Agricultural Research Service[3]	54,530	51,816	0	0	2,303	0	125	0	34	252	
Animal & Plant Health Inspection Service	18,917	17,717	0	0	1,200	0	0	0	0	0	
Forest Service	4,900	4,900	0	0	0	0	0	0	0	0	
Department of Commerce, total	308,797	64,726	236,085	0	4,766	500	2,580	80	10	50	
Bureau of the Census	2,270	2,270	0	0	0	0	0	0	0	0	
National Institute of Standards & Technology	258,795	29,791	222,547	0	3,927	0	2,530	0	0	0	
National Oceanic & Atmospheric Administration	47,732	32,665	13,538	0	839	500	50	80	10	50	
Department of Defense, total[4]	29,561,016	6,373,371	21,756,179	85,594	342,352	163,202	308,843	434,845	200	96,430	
Department of the Army	3,863,633	1,524,617	2,256,902	5,190	20,136	18,612	19,654	14,883	0	3,639	
Department of the Navy	7,539,058	2,501,104	4,723,266	12,308	155,255	20,746	44,565	72,832	0	8,982	
Department of the Air Force	12,369,019	711,897	11,377,577	24,227	16,867	9,065	1,330	227,220	0	836	
Defense agencies, total	5,513,657	1,390,669	3,386,344	43,869	150,094	114,429	243,294	101,785	200	82,973	
Advanced Rsch Projects Agency	1,698,279	429,567	879,625	1,009	74,393	36,218	240,714	33,412	0	3,341	
Ballistic Missile Defense Organization	2,322,720	457,007	1,663,821	11,283	56,722	52,246	740	24,038	0	56,863	
Defense Info Systems Agency	67,567	19,482	36,046	0	1,000	548	0	10,491	0	0	
Defense Logistics Agency	29,970	5,670	18,580	200	5,520	0	0	0	0	0	
Defense Mapping Agency	82,578	4,668	76,100	0	950	500	0	360	0	0	
Defense Nuclear Agency	34,389	7,931	25,884	30	0	504	0	40	0	0	
Joint Staff[5, 6]	1,784	1,623	161	0	0	0	0	0	0	0	
Special Operations Command	131,445	29,810	78,663	2,203	0	0	0	0	0	20,769	
Washington Headquarters Svcs	1,144,925	434,911	607,464	29,144	11,509	24,413	1,840	33,444	200	2,000	
Operational Test & Evaluation, Director	22,662	8,992	0	0	0	350	0	13,320	0	0	
Test & Evaluation, Deputy Under Secretary Defense	252,987	236,092	12,090	0	0	0	0	4,805	0	0	
Department of Defense, total advanced technology (at)[4]	3,725,152	1,052,261	2,070,201	14,664	155,124	72,520	297,573	49,233	0	13,576	
Department of the Army (at)	578,490	192,282	353,334	3,180	10,660	1,256	11,746	4,890	0	1,142	
Department of the Navy (at)	502,015	176,370	229,844	0	42,464	7,094	44,087	2,156	0	0	
Department of the Air Force (at)	495,083	82,224	390,671	874	12,026	2,259	948	5,711	0	370	
Defense agencies, total (at)	2,149,564	601,385	1,096,352	10,610	89,974	61,911	240,792	36,476	0	12,064	
Advanced Rsch Projects Agency (at)	1,661,350	392,638	879,625	1,009	74,393	36,218	240,714	33,412	0	3,341	
Ballistic Missile Defense Organization (at)	88,777	14,145	63,353	929	1,242	7,700	0	1,408	0	0	
Defense Logistics Agency (at)	29,970	5,670	18,580	200	5,520	0	0	0	0	0	
Defense Nuclear Agency (at)	34,389	7,931	25,884	30	0	504	0	40	0	0	
Special Operations Command (at)	55,207	12,520	33,038	926	0	0	0	0	0	8,723	
Washington Headquarters Services (at)	279,871	168,481	75,872	7,516	8,819	17,489	78	1,616	0	0	

See explanatory information, if any, and SOURCE at end of table.

Table C-50. Estimated Federal obligations for development, by agency and performer: fiscal year 1996

[Dollars in thousands]

Page 2 of 3

Agency and subdivision	Total	Intramural [1]	Extramural							
			United States and territories							Foreign
			Industrial firms	FFRDCs admin by industrial firms	Universities and colleges	FFRDCs admin by univs and colleges	Other nonprofit institutions	FFRDCs admin by nonprofit institutions	State and local govts	
Department of Defense, total major systems (ms)[4]	25,811,320	5,300,824	19,683,541	70,930	185,407	90,682	11,270	385,612	200	82,854
Department of the Army (ms)	3,262,383	1,313,672	1,901,292	2,010	7,655	17,356	7,908	9,993	0	2,497
Department of the Navy (ms)	7,037,043	2,324,734	4,493,422	12,308	112,791	13,652	478	70,676	0	8,982
Department of the Air Force (ms)	11,873,936	629,673	10,986,906	23,353	4,841	6,806	382	221,509	0	466
Defense agencies, total (ms)	3,362,309	787,661	2,289,831	33,259	60,120	52,518	2,502	65,309	200	70,909
Advanced Rsch Projects Agency (ms)	36,929	36,929	0	0	0	0	0	0	0	0
Ballistic Missile Defense Organization (ms)	2,233,943	442,862	1,600,468	10,354	55,480	44,546	740	22,630	0	56,863
Defense Info Systems Agency (ms)	67,567	19,482	36,046	0	1,000	548	0	10,491	0	0
Defense Mapping Agency (ms)	82,578	4,668	76,100	0	950	500	0	360	0	0
Special Operations Command (ms)	76,238	17,290	45,625	1,277	0	0	0	0	0	12,046
Washington Headquarters Services (ms)	865,054	266,430	531,592	21,628	2,690	6,924	1,762	31,828	200	2,000
Operational Test & Evaluation, Director (ms)	22,662	8,992	0	0	0	350	0	13,320	0	0
Test & Evaluation, Deputy Under Secretary Defense (ms)	252,987	236,092	12,090	0	0	0	0	4,805	0	0
Department of Education	40,290	1,984	5,875	0	16,303	0	15,032	0	1,096	0
Department of Energy	3,284,547	418,283	1,757,842	473,791	29,673	415,927	21,814	166,466	462	289
Dept of Health & Human Svcs, total	1,408,551	315,769	87,859	16,745	721,846	3,546	235,566	2,101	17,699	7,420
Administration on Aging[7]	16,200	683	0	0	2,517	0	8,500	0	4,500	0
Admin for Children & Families[7]	899	18	0	0	791	0	90	0	0	0
Agency for Health Care Policy & Research[8]	15,480	15,480	0	0	0	0	0	0	0	0
Health Resources & Svcs Admin	5,850	350	0	0	5,500	0	0	0	0	0
National Institutes of Health	1,369,363	299,169	87,859	16,745	712,715	3,546	226,609	2,101	13,199	7,420
Office of the Assistant Secretary for Health	759	69	0	0	323	0	367	0	0	0
Department of Housing & Urban Dvlpmt	27,195	12,431	7,759	0	455	0	6,550	0	0	0
Department of the Interior, total	43,323	29,959	11,462	0	1,902	0	0	0	0	0
Bureau of Mines	12,838	10,906	1,932	0	0	0	0	0	0	0
Bureau of Reclamation	1,888	1,888	0	0	0	0	0	0	0	0
Geological Survey	13,977	4,192	9,530	0	255	0	0	0	0	0
National Biological Service[9]	14,601	12,954	0	0	1,647	0	0	0	0	0
Office of the Secretary	19	19	0	0	0	0	0	0	0	0
Department of Justice, total	24,086	11,632	2,579	100	795	0	5,880	0	3,100	0
Bureau of Prisons[10]	3,400	500	0	0	0	0	0	0	2,900	0
Drug Enforcement Administration	763	84	579	100	0	0	0	0	0	0
Federal Bureau of Investigation	10,548	10,548	0	0	0	0	0	0	0	0
Office of Justice Programs	9,375	500	2,000	0	795	0	5,880	0	200	0
Department of Labor, total	31,883	1,472	7,054	0	53	0	6,755	0	16,549	0
Employment & Training Admin	27,681	1,000	5,654	0	0	0	4,493	0	16,534	0
Office of the Secretary	3,710	287	1,093	0	53	0	2,262	0	15	0
Pension Benefit Guaranty Corporation	492	185	307	0	0	0	0	0	0	0

See explanatory information, if any, and SOURCE at end of table.

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Table C-50. Estimated Federal obligations for development, by agency and performer: fiscal year 1996

[Dollars in thousands]

Page 3 of 3

Agency and subdivision	Total	Intra-mural [1]	Extramural							
			United States and territories							Foreign
			Industrial firms	FFRDCs admin by industrial firms	Universities and colleges	FFRDCs admin by univs and colleges	Other non-profit institutions	FFRDCs admin by non-profit institutions	State and local govts	
Department of Transportation, total	396,888	149,520	160,647	0	8,558	0	1,156	12,302	64,343	362
Coast Guard	16,477	11,855	4,622	0	0	0	0	0	0	0
Federal Aviation Administration	209,809	122,049	67,249	0	7,847	0	0	12,302	0	362
Federal Railroad Administration	23,805	3,087	2,168	0	0	0	800	0	17,750	0
Infrastructure Investment[11]	134,057	6,205	80,192	0	711	0	356	0	46,593	0
Office of the Secretary	4,247	3,769	478	0	0	0	0	0	0	0
Research & Special Programs Administration	8,493	2,555	5,938	0	0	0	0	0	0	0
Department of the Treasury, total	14,937	8,262	6,675	0	0	0	0	0	0	0
Bureau of Engraving & Printing	391	391	0	0	0	0	0	0	0	0
Internal Revenue Service[12]	6,371	6,371	0	0	0	0	0	0	0	0
United States Customs Service	8,175	1,500	6,675	0	0	0	0	0	0	0
Department of Veterans Affairs	26,500	25,350	0	0	1,150	0	0	0	0	0
Other agencies										
Agency for International Dvlpmt	30,048	3,570	366	0	1,241	0	24,613	0	0	258
Consumer Product Safety Commission	264	240	24	0	0	0	0	0	0	0
Environmental Protection Agency	185,008	41,235	68,706	0	35,286	0	0	0	39,781	0
Library of Congress	7,771	7,771	0	0	0	0	0	0	0	0
National Aeronautics & Space Admin	5,029,251	1,257,313	2,856,829	0	77,213	668,586	155,199	2,933	1,380	9,798
Tennessee Valley Authority	72,222	72,222	0	0	0	0	0	0	0	0

[1] Includes costs associated with the administration of intramural and extramural programs by Federal personnel as well as actual intramural performance.

[2] Data reported for the Agricultural Marketing Service include funds for the Office of Transportation beginning in 1989.

[3] The Human Nutrition Information Service merged with the Agricultural Research Service on February 20, 1994.

[4] Not all Department of Defense (DoD) agencies with development obligations are able to categorize these obligations according to the advanced technology and major systems development breakdown. Therefore, total DoD development does not equal the sum of total DoD advanced technology development and total DoD major systems development.

[5] The name of this agency was changed from Joint Chiefs of Staff to Joint Staff in fiscal year 1986.

[6] The Vol. 44 data for Joint Staff were prorated using Vol. 43 data.

[7] In fiscal year 1991 Human Development Services was replaced by the Administration for Children and Families and by the Administration on Aging. Beginning in fiscal year 1992, data shown for the Administration for Children and Families are separate from obligations for the Administration on Aging.

[8] In fiscal year 1991 the Agency for Health Care Policy and Research became separate from the Office of the Assistant Secretary for Health.

[9] The National Biological Service's name changed from the National Biological Survey on January 5, 1995. As of fiscal year 1994, the National Biological Service performs all biological research activities formerly funded by the US Fish & Wildlife Service and the National Park Service.

[10] Formerly listed as Federal Prison System.

[11] Monies estimated for fiscal year 1996 by Infrastructure Investment represent a proposed consolidation of several agencies within the Department of Transportation.

[12] Large changes in obligations reported by the Internal Revenue Service for Vol. 44 are due to the shifts in research funding.

NOTES: Data for only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal Funds Survey, refer to appendix A.

Beginning with this volume, Department of Defense development obligations are reported in two categories: advanced technology and major systems.

KEY: FFRDCs = Federally funded research and development centers

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1994, 1995, and 1996

Table C-51. Federal funds for R&D plant, by agency: fiscal years 1994, 1995, and 1996

[Dollars in thousands]

Page 1 of 1

Agency and subdivision	Obligations			Outlays		
	1994	Estimates		1994	Estimates	
		1995	1996		1995	1996
Total, all agencies	2,171,196	2,934,834	2,063,576	2,177,129	2,261,173	2,359,821
Departments:						
Department of Agriculture, total	125,741	164,404	82,586	132,931	162,107	152,215
Agricultural Research Service[1]	78,286	77,386	75,286	75,258	98,404	88,639
Animal & Plant Health Inspection Service	0	0	2,000	0	0	2,000
Cooperative State Research, Education, & Extension Service[2]	42,555	82,718	0	52,773	59,403	56,276
Forest Service	4,900	4,300	5,300	4,900	4,300	5,300
Department of Commerce, total	31,210	200,174	68,686	12,948	14,915	34,472
National Institute of Standards & Technology	30,930	199,886	68,396	12,668	14,627	34,182
National Oceanic & Atmospheric Administration	280	288	290	280	288	290
Department of Defense, total	221,462	149,572	150,500	260,983	166,907	119,686
Department of the Army	2,126	5,471	5,507	3,798	4,231	5,117
Military functions	2,126	5,471	5,507	3,798	4,231	5,117
Department of the Navy	76,053	20,892	7,332	62,874	48,961	28,864
Department of the Air Force	99,315	37,813	27,140	153,717	84,874	56,265
Defense agencies, total	43,968	85,396	110,521	40,594	28,841	29,440
Ballistic Missile Defense Organization	5,717	1,070	23,509	5,409	7,456	7,920
Defense Logistics Agency	0	200	200	0	0	0
Defense Nuclear Agency	0	0	0	22,570	7,794	5,847
Washington Headquarters Services	38,251	84,126	86,812	12,615	13,591	15,673
Department of Education	1,809	1,939	1,840	1,916	7,203	[illegible],084
Department of Energy	911,771	817,531	927,886	921,846	891,026	961,923
Department of Health & Human Services, total	120,230	374,141	160,870	134,239	177,624	191,192
Food & Drug Administration	8,350	5,349	12,150	21,948	16,693	11,174
Health Resources & Services Administration	1,400	1,600	1,600	1,400	1,600	1,600
National Institutes of Health	110,480	367,192	147,120	110,891	159,331	178,418
Department of the Interior, total	9,030	6,664	4,115	7,534	6,688	4,359
Geological Survey	6,375	5,375	1,375	6,342	5,347	1,368
Minerals Management Service	1,238	990	990	1,142	1,038	1,005
National Biological Service[3]	1,417	299	1,750	50	303	1,986
Department of Transportation, total	40,937	29,602	23,758	17,043	18,287	18,734
Coast Guard	520	525	530	520	525	530
Federal Aviation Administration	33,000	24,000	20,728	11,700	12,179	12,946
Federal Highway Administration	6,302	3,780	0	3,802	4,805	4,257
Federal Railroad Administration	1,115	1,297	400	1,021	778	581
Infrastructure Investment[4]	0	0	2,100	0	0	420
Department of the Treasury, total	154	155	156	1,864	1,704	2,748
Bureau of Engraving & Printing	0	0	0	1,710	1,549	2,592
United States Customs Service	125	125	125	125	125	125
United States Secret Service[5]	29	30	31	29	30	31
Department of Veterans Affairs	11,700	6,000	2,200	5,187	7,100	11,900
Other agencies:						
Environmental Protection Agency	4,764	4,925	5,296	4,764	4,925	5,296
General Services Administration	267	245	0	5,515	2,240	1,392
National Aeronautics & Space Administration	515,255	869,212	392,785	553,529	620,439	559,283
National Science Foundation	171,866	304,270	236,898	110,641	172,808	286,337
Smithsonian Institution	5,000	5,000	5,000	6,189	6,200	6,200
Tennessee Valley Authority	0	1,000	1,000	0	1,000	1,000

[1] The Human Nutrition Information Service merged with the Agricultural Research Service on February 20, 1994.

[2] The Cooperative State Research Service merged with the Extension Service on October 19, 1994, due to a reorganization within the Department of Agriculture.

[3] The National Biological Service's name changed from the National Biological Survey on January 5, 1995. As of fiscal year 1994, the National Biological Service performs all biological research activities formerly funded by the US Fish & Wildlife Service and the National Park Service.

[4] Monies estimated for fiscal year 1996 by Infrastructure Investment represent a proposed consolidation of several agencies within the Department of Transportation.

[5] Formerly listed as Office of Protective Research.

NOTE: Data for only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal Funds Survey, refer to appendix A.

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1994, 1995, and 1996

Table C-52. Federal obligations for R&D plant, by agency and performer of the research and development the plant supports: fiscal year 1994

[Dollars in thousands]

Page 1 of 2

Agency and subdivision	Total	Intramural	Extramural							
			United States and territories							Foreign
			Industrial firms	FFRDCs admin by industrial firms	Universities and colleges	FFRDCs admin by univs and colleges	Other nonprofit institutions	FFRDCs admin by nonprofit institutions	State and local govts	
Total, all agencies	2,171,196	392,571	746,783	119,366	208,984	608,752	20,867	72,890	765	218
Departments										
Department of Agriculture, total	125,741	84,479	0	0	38,834	0	2,428	0	0	0
Agricultural Research Service[1]	78,286	78,286	0	0	0	0	0	0	0	0
Cooperative State Research, Education, & Extension Svc[2]	42,555	1,293	0	0	38,834	0	2,428	0	0	0
Forest Service	4,900	4,900	0	0	0	0	0	0	0	0
Department of Commerce, total	31,210	1,689	29,406	0	22	0	0	0	0	93
National Institute of Standards & Technology	30,930	1,409	29,406	0	22	0	0	0	0	93
National Oceanic & Atmospheric Administration	280	280	0	0	0	0	0	0	0	0
Department of Defense, total	221,462	120,493	73,466	2,865	24,312	294	0	32	0	0
Department of the Army	2,126	2,126	0	0	0	0	0	0	0	0
Department of the Navy	76,053	39,122	34,119	0	2,812	0	0	0	0	0
Department of the Air Force	99,315	79,245	20,070	0	0	0	0	0	0	0
Defense agencies, total	43,968	0	19,277	2,865	21,500	294	0	32	0	0
Ballistic Missile Defense Organization	5,717	0	5,717	0	0	0	0	0	0	0
Washington Headquarters Svcs	38,251	0	13,560	2,865	21,500	294	0	32	0	0
Department of Education	1,809	0	0	0	1,809	0	0	0	0	0
Department of Energy	911,771	14,462	99,933	116,501	23,460	583,580	977	72,858	0	0
Dept of Health & Human Svcs, total	120,230	112,584	0	0	6,054	0	1,592	0	0	0
Food & Drug Administration	8,350	8,350	0	0	0	0	0	0	0	0
Health Resources & Svcs Admin	1,400	1,400	0	0	0	0	0	0	0	0
National Institutes of Health	110,480	102,834	0	0	6,054	0	1,592	0	0	0
Department of the Interior, total	9,030	1,517	7,513	0	0	0	0	0	0	0
Geological Survey	6,375	0	6,375	0	0	0	0	0	0	0
Minerals Management Service	1,238	100	1,138	0	0	0	0	0	0	0
National Biological Service[3]	1,417	1,417	0	0	0	0	0	0	0	0
Department of Transportation, total	40,937	36,196	2,061	0	60	0	1,855	0	765	0
Coast Guard	520	0	0	0	0	0	0	0	520	0
Federal Aviation Administration	33,000	33,000	0	0	0	0	0	0	0	0
Federal Highway Administration	6,302	3,196	2,061	0	60	0	740	0	245	0
Federal Railroad Administration	1,115	0	0	0	0	0	1,115	0	0	0

See explanatory information, if any, and SOURCE at end of table.

Table C-52. Federal obligations for R&D plant, by agency and performer of the research and development the plant supports: fiscal year 1994

[Dollars in thousands]

Page 2 of 2

Agency and subdivision	Total	Intra-mural	Extramural							
			United States and territories							Foreign
			Industrial firms	FFRDCs admin by industrial firms	Universities and colleges	FFRDCs admin by univs and colleges	Other nonprofit institutions	FFRDCs admin by nonprofit institutions	State and local govts	
Department of the Treasury, total	154	29	125	0	0	0	0	0	0	0
United States Customs Service	125	0	125	0	0	0	0	0	0	0
United States Secret Service[4]	29	29	0	0	0	0	0	0	0	0
Department of Veterans Affairs	11,700	11,700	0	0	0	0	0	0	0	0
Other agencies:										
Environmental Protection Agency	4,764	0	4,764	0	0	0	0	0	0	0
General Services Administration	267	0	0	0	267	0	0	0	0	0
National Aeronautics & Space Admin	515,255	4,422	510,833	0	0	0	0	0	0	0
National Science Foundation	171,866	0	18,682	0	114,166	24,878	14,015	0	0	125
Smithsonian Institution	5,000	5,000	0	0	0	0	0	0	0	0

[1] The Human Nutrition Information Service merged with the Agricultural Research Service on February 20, 1994.

[2] The Cooperative State Research Service merged with the Extension Service on October 19, 1994, due to a reorganization within the Department of Agriculture.

[3] The National Biological Service's name changed from the National Biological Survey on January 5, 1995. As of fiscal year 1994, the National Biological Service performs all biological research activities formerly funded by the US Fish & Wildlife Service and the National Park Service.

[4] Formerly listed as Office of Protective Research.

NOTE: Data for only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal Funds Survey, refer to appendix A.

KEY: FFRDCs = Federally funded research and development centers

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1994, 1995, and 1996

Table C-53. Estimated Federal obligations for R&D plant, by agency and performer of the research and development the plant supports: fiscal year 1995

[Dollars in thousands]

Page 1 of 2

Agency and subdivision	Total	Intramural	Extramural							
			United States and territories							Foreign
			Industrial firms	FFRDCs admin by industrial firms	Universities and colleges	FFRDCs admin by univs and colleges	Other nonprofit institutions	FFRDCs admin by nonprofit institutions	State and local govts	
Total, all agencies	2,934,834	576,128	1,276,091	104,023	315,128	558,262	32,341	71,267	1,594	0
Departments:										
Department of Agriculture, total	164,404	84,695	0	0	72,564	0	7,145	0	0	0
Agricultural Research Service[1]	77,386	77,386	0	0	0	0	0	0	0	0
Cooperative State Research, Education, & Extension Svc[2]	82,718	3,009	0	0	72,564	0	7,145	0	0	0
Forest Service	4,300	4,300	0	0	0	0	0	0	0	0
Department of Commerce, total	200,174	1,897	198,277	0	0	0	0	0	0	0
National Institute of Standards & Technology	199,886	1,609	198,277	0	0	0	0	0	0	0
National Oceanic & Atmospheric Administration	288	288	0	0	0	0	0	0	0	0
Department of Defense, total	149,572	61,959	82,878	2,008	2,417	287	0	23	0	0
Department of the Army	5,471	5,471	0	0	0	0	0	0	0	0
Department of the Navy	20,892	18,475	0	0	2,417	0	0	0	0	0
Department of the Air Force	37,813	37,813	0	0	0	0	0	0	0	0
Defense agencies, total	85,396	200	82,878	2,008	0	287	0	23	0	0
Ballistic Missile Defense Organization	1,070	0	1,070	0	0	0	0	0	0	0
Defense Logistics Agency	200	200	0	0	0	0	0	0	0	0
Washington Headquarters Svcs	84,126	0	81,808	2,008	0	287	0	23	0	0
Department of Education	1,939	0	0	0	1,939	0	0	0	0	0
Department of Energy	817,531	6,583	105,153	102,015	19,757	502,910	8,800	71,244	1,069	0
Dept of Health & Human Svcs, total	374,141	374,141	0	0	0	0	0	0	0	0
Food & Drug Administration	5,349	5,349	0	0	0	0	0	0	0	0
Health Resources & Svcs Admin	1,600	1,600	0	0	0	0	0	0	0	0
National Institutes of Health	367,192	367,192	0	0	0	0	0	0	0	0
Department of the Interior, total	6,664	299	6,365	0	0	0	0	0	0	0
Geological Survey	5,375	0	5,375	0	0	0	0	0	0	0
Minerals Management Service	990	0	990	0	0	0	0	0	0	0
National Biological Service[3]	299	299	0	0	0	0	0	0	0	0
Department of Transportation, total	29,602	27,000	0	0	780	0	1,297	0	525	0
Coast Guard	525	0	0	0	0	0	0	0	525	0
Federal Aviation Administration	24,000	24,000	0	0	0	0	0	0	0	0
Federal Highway Administration	3,780	3,000	0	0	780	0	0	0	0	0
Federal Railroad Administration	1,297	0	0	0	0	0	1,297	0	0	0

See explanatory information, if any, and SOURCE at end of table.

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Table C-53. Estimated Federal obligations for R&D plant, by agency and performer of the research and development the plant supports: fiscal year 1995

[Dollars in thousands]

Page 2 of 2

Agency and subdivision	Total	Intramural	Extramural							
			United States and territories							Foreign
			Industrial firms	FFRDCs admin by industrial firms	Universities and colleges	FFRDCs admin by univs and colleges	Other nonprofit institutions	FFRDCs admin by nonprofit institutions	State and local govts	
Department of the Treasury, total	155	30	125	0	0	0	0	0	0	0
United States Customs Service	125	0	125	0	0	0	0	0	0	0
United States Secret Service[4]	30	30	0	0	0	0	0	0	0	0
Department of Veterans Affairs	6,000	6,000	0	0	0	0	0	0	0	0
Other agencies:										
Environmental Protection Agency	4,925	0	4,925	0	0	0	0	0	0	0
General Services Administration	245	0	0	0	245	0	0	0	0	0
National Aeronautics & Space Admin	869,212	7,524	861,688	0	0	0	0	0	0	0
National Science Foundation	304,270	0	16,680	0	217,426	55,065	15,099	0	0	0
Smithsonian Institution	5,000	5,000	0	0	0	0	0	0	0	0
Tennessee Valley Authority	1,000	1,000	0	0	0	0	0	0	0	0

[1] The Human Nutrition Information Service merged with the Agricultural Research Service on February 20, 1994.

[2] The Cooperative State Research Service merged with the Extension Service on October 19, 1994, due to a reorganization within the Department of Agriculture.

[3] The National Biological Service's name changed from the National Biological Survey on January 5, 1995. As of fiscal year 1994, the National Biological Service performs all biological research activities formerly funded by the US Fish & Wildlife Service and the National Park Service.

[4] Formerly listed as Office of Protective Research.

NOTE: Data for only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal Funds Survey, refer to appendix A.

KEY: FFRDCs = Federally funded research and development centers

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1994, 1995, and 1996

Table C-54. Estimated Federal obligations for R&D plant, by agency and performer of the research and development the plant supports: fiscal year 1996

[Dollars in thousands]

Page 1 of 2

Agency and subdivision	Total	Intramural	Extramural							
			United States and territories							Foreign
			Industrial firms	FFRDCs admin by industrial firms	Universities and colleges	FFRDCs admin by univs and colleges	Other nonprofit institutions	FFRDCs admin by nonprofit institutions	State and local govts	
Total, all agencies	2,063,576	365,354	705,686	92,861	210,912	578,715	23,366	85,083	1,599	0
Departments:										
Department of Agriculture, total	82,586	82,586	0	0	0	0	0	0	0	0
Agricultural Research Service[1]	75,286	75,286	0	0	0	0	0	0	0	0
Animal & Plant Health Inspection Service	2,000	2,000	0	0	0	0	0	0	0	0
Forest Service	5,300	5,300	0	0	0	0	0	0	0	0
Department of Commerce, total	68,686	2,148	66,538	0	0	0	0	0	0	0
National Institute of Standards & Technology	68,396	1,858	66,538	0	0	0	0	0	0	0
National Oceanic & Atmospheric Administration	290	290	0	0	0	0	0	0	0	0
Department of Defense, total	150,500	38,683	108,076	1,950	1,496	276	0	19	0	0
Department of the Army	5,507	5,507	0	0	0	0	0	0	0	0
Department of the Navy	7,332	5,836	0	0	1,496	0	0	0	0	0
Department of the Air Force	27,140	27,140	0	0	0	0	0	0	0	0
Defense agencies, total	110,521	200	108,076	1,950	0	276	0	19	0	0
Ballistic Missile Defense Organization	23,509	0	23,509	0	0	0	0	0	0	0
Defense Logistics Agency	200	200	0	0	0	0	0	0	0	0
Washington Headquarters Svcs	86,812	0	84,567	1,950	0	276	0	19	0	0
Department of Education	1,840	0	0	0	1,840	0	0	0	0	0
Department of Energy	927,886	45,458	116,221	90,911	19,206	560,957	9,000	85,064	1,069	0
Dept of Health & Human Svcs, total	160,870	160,870	0	0	0	0	0	0	0	0
Food & Drug Administration	12,150	12,150	0	0	0	0	0	0	0	0
Health Resources & Svcs Admin	1,600	1,600	0	0	0	0	0	0	0	0
National Institutes of Health	147,120	147,120	0	0	0	0	0	0	0	0
Department of the Interior, total	4,115	1,750	2,365	0	0	0	0	0	0	0
Geological Survey	1,375	0	1,375	0	0	0	0	0	0	0
Minerals Management Service	990	0	990	0	0	0	0	0	0	0
National Biological Service[2]	1,750	1,750	0	0	0	0	0	0	0	0
Department of Transportation, total	23,758	22,228	0	0	600	0	400	0	530	0
Coast Guard	530	0	0	0	0	0	0	0	530	0
Federal Aviation Administration	20,728	20,728	0	0	0	0	0	0	0	0
Federal Railroad Administration	400	0	0	0	0	0	400	0	0	0
Infrastructure Investment[3]	2,100	1,500	0	0	600	0	0	0	0	0

See explanatory information, if any, and SOURCE at end of table.

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Table C-54. Estimated Federal obligations for R&D plant, by agency and performer of the research and development the plant supports: fiscal year 1996

[Dollars in thousands]

Page 2 of 2

Agency and subdivision	Total	Intra-mural	Extramural							
			United States and territories							Foreign
			Indus-trial firms	FFRDCs admin by indus-trial firms	Univer-sities and colleges	FFRDCs admin by univs and colleges	Other non-profit insti-tutions	FFRDCs admin by non-profit insti-tutions	State and local govts	
Department of the Treasury, total	156	31	125	0	0	0	0	0	0	0
United States Customs Service	125	0	125	0	0	0	0	0	0	0
United States Secret Service[4]	31	31	0	0	0	0	0	0	0	0
Department of Veterans Affairs	2,200	2,200	0	0	0	0	0	0	0	0
Other agencies										
Environmental Protection Agency	5,296	0	5,296	0	0	0	0	0	0	0
National Aeronautics & Space Admin	392,785	3,400	389,385	0	0	0	0	0	0	0
National Science Foundation	236,898	0	17,680	0	187,770	17,482	13,966	0	0	0
Smithsonian Institution	5,000	5,000	0	0	0	0	0	0	0	0
Tennessee Valley Authority	1,000	1,000	0	0	0	0	0	0	0	0

[1] The Human Nutrition Information Service merged with the Agricultural Research Service on February 20, 1994.

[2] The National Biological Service's name changed from the National Biological Survey on January 5, 1995. As of fiscal year 1994, the National Biological Service performs all biological research activities formerly funded by the US Fish & Wildlife Service and the National Park Service.

[3] Monies estimated for fiscal year 1996 by Infrastructure Investment represent a proposed consolidation of several agencies within the Department of Transportation.

[4] Formerly listed as Office of Protective Research.

NOTE: Data for only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal Funds Survey, refer to appendix A.

KEY: FFRDCs = Federally funded research and development centers

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1994, 1995, and 1996

Table C-55. Federal obligations for research performed at universities and colleges, by detailed field of science and engineering: fiscal years 1994, 1995, and 1996

[Dollars in thousands]

Page 1 of 1

Field of science and engineering	1994	Estimates	
		1995	1996
Total, all fields	9,949,626	10,247,315	10,542,094
Life sciences, total	5,766,756	5,893,625	6,106,475
Biological (excluding environmental)	2,814,746	2,893,931	3,012,706
Environmental biology	162,166	166,208	171,590
Agricultural	161,904	161,046	164,187
Medical	2,492,217	2,554,802	2,623,548
Life sciences, n.e.c.	135,723	117,638	134,444
Psychology, total	316,228	326,145	333,728
Biological aspects	8,804	10,192	10,142
Social aspects	17,549	18,548	17,710
Psychological sciences, n.e.c.	289,875	297,405	305,876
Physical sciences, total	1,165,435	1,222,060	1,244,636
Astronomy	132,164	134,146	135,727
Chemistry	374,584	393,837	403,427
Physics	593,973	611,529	631,735
Physical sciences, n.e.c.	64,714	82,548	73,747
Environmental sciences, total	627,409	644,501	635,677
Atmospheric	167,310	173,498	179,327
Geological	203,336	188,951	196,943
Oceanography	138,448	140,089	145,555
Environmental sciences, n.e.c.	118,315	141,963	113,852
Mathematics & computer sciences, total	530,077	543,580	592,825
Mathematics	137,848	148,757	155,672
Computer sciences	361,210	372,517	407,333
Mathematics & computer sciences, n.e.c.	31,019	22,306	29,820
Engineering, total	984,792	1,016,007	1,013,368
Aeronautical	76,729	79,945	82,362
Astronautical	20,708	21,230	21,128
Chemical	56,980	56,613	51,548
Civil	55,843	56,166	58,617
Electrical	161,442	170,925	187,576
Mechanical	113,812	123,650	128,393
Metallurgy & materials	260,678	253,658	261,242
Engineering, n.e.c.	238,600	253,820	222,502
Social sciences, total	200,495	212,459	217,639
Anthropology	6,614	7,782	8,350
Economics	54,759	55,033	51,628
Political science	4,979	5,795	6,208
Sociology	27,631	29,444	33,105
Social sciences, n.e.c.	106,512	114,405	118,348
Other sciences, n.e.c.	358,434	388,938	397,746

NOTES: Only the following six agencies are required to report to this section of the survey: the Departments of Agriculture, Defense, Energy, and Health and Human Services; the National Aeronautics and Space Administration; and the National Science Foundation. The research obligations of the six agencies included in this table represent approximately 96 percent of total Federal research obligations to universities and colleges in fiscal years 1994, 1995, and 1996.

Data for only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list agencies that have been included in the Federal Funds Survey, refer to appendix A.

KEY: n.e.c. = Not elsewhere classified

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1994, 1995, and 1996

Table C-56. Federal obligations for research performed at universities and colleges, by agency and field of science and engineering: fiscal year 1994

[Dollars in thousands]

Page 1 of 1

Agency and subdivision	Total	Life sciences	Psychology	Physical sciences	Environmental sciences	Mathematics and computer sciences	Engineering	Social sciences	Other sciences, n.e.c.
Total, all agencies	9,949,626	5,766,756	316,228	1,165,435	627,409	530,077	984,792	200,495	358,434
Departments									
Department of Agriculture, total	435,315	324,090	0	29,237	3,821	2,921	20,648	54,598	0
Agricultural Cooperative Service	272	0	0	0	0	0	0	272	0
Agricultural Marketing Service[1]	273	273	0	0	0	0	0	0	0
Agricultural Research Service[2]	23,203	20,514	0	0	9	2,455	225	0	0
Cooperative State Research Education, & Extension Svc[3]	389,064	287,695	0	29,237	2,402	0	19,898	49,832	0
Economic Research Service	2,496	0	0	0	0	0	0	2,496	0
Foreign Agricultural Service[4]	195	195	0	0	0	0	0	0	0
Forest Service	19,467	15,183	0	0	1,410	351	525	1,998	0
Human Nutrition Information Svc[2]	230	230	0	0	0	0	0	0	0
Nat'l Agricultural Statistics Svc	115	0	0	0	0	115	0	0	0
Department of Defense, total	1,110,664	140,395	21,302	131,687	136,387	259,608	417,625	1,084	2,576
Department of the Army	96,886	17,369	3,308	12,902	9,544	14,892	37,704	929	238
Department of the Navy	236,635	20,104	12,350	38,116	71,624	22,350	71,506	0	585
Department of the Air Force	206,984	20,005	2,869	49,288	35,537	24,578	74,707	0	0
Defense agencies, total	570,159	82,917	2,775	31,381	19,682	197,788	233,708	155	1,753
Advanced Rsch Projects Agency	253,587	208	0	2,212	6,337	174,495	70,335	0	0
Ballistic Missile Defense Organization	9,260	0	0	2,405	605	582	5,668	0	0
Defense Nuclear Agency	5,231	0	0	267	4,000	0	528	0	436
Washington Headquarters Svcs	302,081	82,709	2,775	26,497	8,740	22,711	157,177	155	1,317
Department of Energy	528,693	83,884	0	308,940	51,383	13,880	69,198	0	1,408
Dept of Health & Human Svcs, total	5,639,375	4,903,687	274,240	98,189	0	10,258	44,304	91,330	217,367
Administration on Aging[5]	1,192	0	0	0	0	0	0	1,192	0
Admin for Children & Families[5]	9,183	0	0	0	0	0	0	9,183	0
Agency for Health Care Policy & Research[6]	55,175	30,604	0	0	0	2,657	0	16,352	5,562
Centers for Disease Control & Prevention	29,872	29,872	0	0	0	0	0	0	0
Food & Drug Administration	10,128	10,128	0	0	0	0	0	0	0
Health Care Financing Admin	7,359	7,359	0	0	0	0	0	0	0
Health Resources & Svcs Admin	6,799	6,799	0	0	0	0	0	0	0
National Institutes of Health	5,517,409	4,818,925	274,240	98,189	0	7,601	44,304	62,345	211,805
Office of the Secretary	877	0	0	0	0	0	0	877	0
Social Security Administration[7]	1,381	0	0	0	0	0	0	1,381	0
Other agencies									
National Aeronautics & Space Admin	555,371	37,013	5,111	216,646	127,355	22,133	112,484	162	34,467
National Science Foundation	1,680,208	277,687	15,575	380,736	308,463	221,277	320,533	53,321	102,616

[1] Data reported for the Agricultural Marketing Service include funds for the Office of Transportation beginning in 1989.

[2] The Human Nutrition Information Service merged with the Agricultural Research Service on February 20, 1994.

[3] The Cooperative State Research Service merged with the Extension Service on October 19, 1994, due to a reorganization within the Department of Agriculture.

[4] The Office of International Cooperation and Development became part of the Foreign Agricultural Service (FAS) in June of 1994. Data reported for FAS include funds appropriated to International Cooperation and Development programs within FAS as of fiscal year 1995.

[5] In fiscal year 1991 Human Development Services was replaced by the Administration for Children and Families and by the Administration on Aging. Beginning in fiscal year 1992, data shown for the Administration for Children and Families are separate from obligations for the Administration on Aging.

[6] In fiscal year 1991 the Agency for Health Care Policy and Research became separate from the Office of the Assistant Secretary for Health.

[7] As of March 31, 1995, the Social Security Administration became an independent agency; it is no longer part of the Department of Health & Human Services.

NOTES: Only the following six agencies are required to report to this section of the survey: the Departments of Agriculture, Defense, Energy, and Health and Human Services; the National Aeronautics and Space Administration; and the National Science Foundation. The research obligations of the six agencies included in this table represent approximately 96 percent of total Federal research obligations to universities and colleges in fiscal year 1994.

Data for only those agencies that had obligations in the variables represented by this in the table. For a complete list of the Federal agencies that have been included in the Federal Funds Survey, refer to appendix A.

KEY: n.e.c. = Not elsewhere classified

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1994, 1995, and 1996

Table C-57. Estimated Federal obligations for research performed at universities and colleges, by agency and field of science and engineering: fiscal year 1995

[Dollars in thousands]

Page 1 of 1

Agency and subdivision	Total	Life sciences	Psychology	Physical sciences	Environmental sciences	Mathematics and computer sciences	Engineering	Social sciences	Other sciences, n.e.c.
Total, all agencies	10,247,315	5,893,625	326,145	1,222,060	644,501	543,580	1,016,007	212,459	388,938
Departments									
Department of Agriculture, total	428,566	321,104	0	27,698	3,700	3,013	20,061	52,990	0
Agricultural Research Service[1]	27,138	24,367	0	0	11	2,497	263	0	0
Cooperative State Research, Education, & Extension Svc[2]	378,152	281,174	0	27,698	2,269	0	19,263	47,748	0
Economic Research Service	2,134	0	0	0	0	0	0	2,134	0
Foreign Agricultural Service[3]	355	355	0	0	0	0	0	0	0
Forest Service	19,532	15,208	0	0	1,420	361	535	2,008	0
Nat'l Agricultural Statistics Svc	155	0	0	0	0	155	0	0	0
Rural Business & Coop Dvlpmt Svc	1,100	0	0	0	0	0	0	1,100	0
Department of Defense, total	1,122,755	122,984	24,523	157,193	119,384	255,252	437,008	1,223	5,188
Department of the Army	90,867	18,213	3,174	10,756	6,325	9,852	41,066	779	702
Department of the Navy	252,426	25,632	13,355	41,517	62,617	27,069	81,468	0	768
Department of the Air Force	205,046	19,703	3,014	48,403	22,579	25,314	86,033	0	0
Defense agencies, total	574,416	59,436	4,980	56,517	27,863	193,017	228,441	444	3,718
Advanced Rsch Projects Agency	224,858	0	0	1,086	925	162,876	59,971	0	0
Ballistic Missile Defense Organization	8,995	0	0	1,585	625	1,252	5,533	0	0
Defense Nuclear Agency	1,328	0	0	0	0	0	340	0	988
Washington Headquarters Svcs	339,235	59,436	4,980	53,846	26,313	28,889	162,597	444	2,730
Department of Energy	568,319	86,172	0	315,818	68,826	12,529	78,790	0	6,184
Dept of Health & Human Svcs, total	5,790,166	5,033,280	281,058	100,686	0	10,648	45,415	96,025	223,054
Administration on Aging[4]	1,100	0	0	0	0	0	0	1,100	0
Admin for Children & Families[4]	9,544	0	0	0	0	0	0	9,544	0
Agency for Health Care Policy & Research[5]	59,349	32,919	0	0	0	2,858	0	17,589	5,983
Centers for Disease Control & Prevention	31,366	31,366	0	0	0	0	0	0	0
Food & Drug Administration	12,000	12,000	0	0	0	0	0	0	0
Health Care Financing Admin	10,335	10,335	0	0	0	0	0	0	0
Health Resources & Svcs Admin	6,585	6,585	0	0	0	0	0	0	0
National Institutes of Health	5,655,992	4,940,075	281,058	100,686	0	7,790	45,415	63,897	217,071
Office of the Secretary	3,245	0	0	0	0	0	0	3,245	0
Social Security Administration[6]	650	0	0	0	0	0	0	650	0
Other agencies									
National Aeronautics & Space Admin	574,809	38,308	5,290	224,229	131,812	22,907	116,421	168	35,674
National Science Foundation	1,762,700	291,777	15,274	396,436	320,779	239,231	318,312	62,053	118,838

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[1] The Human Nutrition Information Service merged with the Agricultural Research Service on February 20, 1994.

[2] The Cooperative State Research Service merged with the Extension Service on October 19, 1994, due to a reorganization within the Department of Agriculture.

[3] The Office of International Cooperation and Development became part of the Foreign Agricultural Service (FAS) in June of 1994. Data reported for FAS include funds appropriated to International Cooperation and Development programs within FAS as of fiscal year 1995.

[4] In fiscal year 1991 Human Development Services was replaced by the Administration for Children and Families and by the Administration on Aging. Beginning in fiscal year 1992, data shown for the Administration for Children and Families are separate from obligations for the Administration on Aging.

[5] In fiscal year 1991 the Agency for Health Care Policy and Research became separate from the Office of the Assistant Secretary for Health.

[6] As of March 31, 1995, the Social Security Administration became an independent agency; it is no longer part of the Department of Health & Human Services.

NOTES: Only the following six agencies are required to report to this section of the survey: the Departments of Agriculture, Defense, Energy, and Health and Human Services, the National Aeronautics and Space Administration, and the National Science Foundation. The research obligations of the six agencies included in this table represent approximately 96 percent of total Federal research obligations to universities and colleges in fiscal year 1995.

Data for only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal Funds Survey, refer to appendix A.

KEY: n.e.c. = Not elsewhere classified

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1994, 1995, and 1996

Table C-58. Estimated Federal obligations for research performed at universities and colleges, by agency and field of science and engineering: fiscal year 1996

[Dollars in thousands]

Page 1 of 1

Agency and subdivision	Total	Life sciences	Psy-chology	Physical sciences	Environ-mental sciences	Mathe-matics and com-puter sciences	Engi-neering	Social sciences	Other sciences, n.e.c.
Total, all agencies	10,542,094	6,106,475	333,728	1,244,636	635,677	592,825	1,013,368	217,639	397,746
Departments:									
Department of Agriculture, total	430,681	329,073	0	26,001	3,447	3,026	20,125	49,009	0
Agricultural Research Service[1]	26,482	23,705	0	0	11	2,510	256	0	0
Cooperative State Research Education, & Extension Svc[2]	381,982	289,805	0	26,001	2,016	0	19,334	44,826	0
Economic Research Service	2,175	0	0	0	0	0	0	2,175	0
Foreign Agricultural Service[3]	355	355	0	0	0	0	0	0	0
Forest Service	19,532	15,208	0	0	1,420	361	535	2,008	0
Nat'l Agricultural Statistics Svc	155	0	0	0	0	155	0	0	0
Department of Defense, total	1,067,723	117,974	20,469	135,708	93,784	280,445	413,988	1,200	4,155
Department of the Army	96,511	9,599	2,893	9,965	4,796	16,623	51,442	792	401
Department of the Navy	241,652	24,761	11,848	39,896	61,233	26,166	77,009	0	739
Department of the Air Force	215,788	21,338	3,183	51,134	18,914	30,541	90,678	0	0
Defense agencies, total	513,772	62,276	2,545	34,713	8,841	207,115	194,859	408	3,015
Advanced Rsch Projects Agency	235,122	0	0	1,093	691	183,664	49,674	0	0
Ballistic Missile Defense Organization	12,813	0	0	1,671	625	2,282	8,235	0	0
Defense Nuclear Agency	1,046	0	0	0	0	0	437	0	609
Washington Headquarters Svcs	264,791	62,276	2,545	31,949	7,525	21,169	136,513	408	2,406
Department of Energy	551,502	80,732	0	326,848	61,398	13,648	66,352	0	2,524
Dept of Health & Human Svcs, total	6,017,189	5,227,820	291,856	104,555	0	11,557	47,161	101,571	232,669
Administration on Aging[4]	1,500	0	0	0	0	0	0	1,500	0
Admin for Children & Families[4]	9,382	0	0	0	0	0	0	9,382	0
Agency for Health Care Policy & Research[5]	71,996	39,934	0	0	0	3,467	0	21,337	7,258
Centers for Disease Control & Prevention	31,366	31,366	0	0	0	0	0	0	0
Food & Drug Administration	12,000	12,000	0	0	0	0	0	0	0
Health Care Financing Admin	8,160	8,160	0	0	0	0	0	0	0
Health Resources & Svcs Admin	6,485	6,485	0	0	0	0	0	0	0
National Institutes of Health	5,873,300	5,129,875	291,856	104,555	0	8,090	47,161	66,352	225,411
Office of the Secretary	3,000	0	0	0	0	0	0	3,000	0
Other agencies:									
National Aeronautics & Space Admin	574,809	38,310	5,290	224,229	131,813	22,907	116,421	168	35,671
National Science Foundation	1,900,190	312,566	16,113	427,295	345,235	261,242	349,321	65,691	122,727

[1] The Human Nutrition Information Service merged with the Agricultural Research Service on February 20, 1994.

[2] The Cooperative State Research Service merged with the Extension Service on October 19, 1994, due to a reorganization within the Department of Agriculture.

[3] The Office of International Cooperation and Development became part of the Foreign Agricultural Service (FAS) in June of 1994. Data reported for FAS include funds appropriated to International Cooperation and Development programs within FAS as of fiscal year 1995.

[4] In fiscal year 1991 Human Development Services was replaced by the Administration for Children and Families and by the Administration on Aging. Beginning in fiscal year 1992, data shown for the Administration for Children and Families are separate from obligations for the Administration on Aging.

[5] In fiscal year 1991 the Agency for Health Care Policy and Research became separate from the Office of the Assistant Secretary for Health.

NOTES: Only the following six agencies are required to report to this section of the survey: the Departments of Agriculture, Defense, Energy, and Health and Human Services; the National Aeronautics and Space Administration, and the National Science Foundation. The research obligations of the six agencies included in this table represent approximately 96 percent of total Federal research obligations to universities and colleges in fiscal year 1996.

Data for only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal Funds Survey, refer to appendix A.

KEY: n.e.c. = Not elsewhere classified

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1994, 1995, and 1996.

Table C-59. Federal obligations for research performed at universities and colleges in psychology and life sciences, by agency and detailed field of science: fiscal year 1994

[Dollars in thousands]

Page 1 of 1

Agency and subdivision	Psychology: Total	Psychology: Biological aspects	Psychology: Social aspects	Psychology: Psychological sciences, n.e.c.	Life sciences: Total	Life sciences: Biological	Life sciences: Environmental biology	Life sciences: Agricultural	Life sciences: Medical	Life sciences: Life sciences, n.e.c.
Total, all agencies	316,228	8,804	17,549	289,875	5,766,756	2,814,746	162,166	161,904	2,492,217	135,723
Departments:										
Department of Agriculture, total	0	0	0	0	324,090	86,069	68,082	159,321	10,618	0
Agricultural Marketing Service[1]	0	0	0	0	273	0	0	273	0	0
Agricultural Research Service[2]	0	0	0	0	20,514	4,125	1,148	15,241	0	0
Cooperative State Research, Education, & Extension Svc[3]	0	0	0	0	287,695	72,575	61,120	143,382	10,618	0
Foreign Agricultural Service[4]	0	0	0	0	195	0	0	195	0	0
Forest Service	0	0	0	0	15,183	9,369	5,814	0	0	0
Human Nutrition Information Svc[2]	0	0	0	0	230	0	0	230	0	0
Department of Defense, total	21,302	5,014	11,941	4,347	140,395	29,140	20,671	0	46,079	44,505
Department of the Army	3,308	0	3,308	0	17,369	2,364	543	0	14,462	0
Department of the Navy	12,350	5,014	5,764	1,572	20,104	8,702	8,342	0	3,060	0
Department of the Air Force	2,869	0	2,869	0	20,005	12,935	6,786	0	0	284
Defense agencies, total	2,775	0	0	2,775	82,917	5,139	5,000	0	28,557	44,221
Advanced Rsch Projects Agency	0	0	0	0	208	139	0	0	69	0
Washington Headquarters Svcs	2,775	0	0	2,775	82,709	5,000	5,000	0	28,488	44,221
Department of Energy	0	0	0	0	83,884	55,150	125	50	27,519	1,040
Dept of Health & Human Svcs, total	274,240	0	0	274,240	4,903,687	2,423,382	113	207	2,400,614	79,371
Agency for Health Care Policy & Research[5]	0	0	0	0	30,604	0	0	0	26,851	3,753
Centers for Disease Control & Prevention	0	0	0	0	29,872	0	0	0	29,872	0
Food & Drug Administration	0	0	0	0	10,128	9,921	0	207	0	0
Health Care Financing Admin	0	0	0	0	7,359	0	0	0	0	7,359
Health Resources & Svcs Admin	0	0	0	0	6,799	0	0	0	6,799	0
National Institutes of Health	274,240	0	0	274,240	4,818,925	2,413,461	113	0	2,337,092	68,259
Other agencies:										
National Aeronautics & Space Admin	5,111	73	397	4,641	37,013	17,388	1,325	2,326	7,387	8,587
National Science Foundation	15,575	3,717	5,211	6,647	277,687	203,617	71,850	0	0	2,220

[1] Data reported for the Agricultural Marketing Service include funds for the Office of Transportation beginning in 1989.

[2] The Human Nutrition Information Service merged with the Agricultural Research Service on February 20, 1994.

[3] The Cooperative State Research Service merged with the Extension Service on October 19, 1994, due to a reorganization within the Department of Agriculture.

[4] The Office of International Cooperation and Development became part of the Foreign Agricultural Service (FAS) in June of 1994. Data reported for FAS include funds appropriated to International Cooperation and Development programs within FAS as of fiscal year 1995.

[5] In fiscal year 1991 the Agency for Health Care Policy and Research became separate from the Office of the Assistant Secretary for Health.

NOTES: Only the following six agencies are required to report to this section of the survey: the Departments of Agriculture, Defense, Energy, and Health and Human Services; the National Aeronautics and Space Administration; and the National Science Foundation. The research obligations of the six agencies included in this table represent approximately 96 percent of total Federal research obligations to universities and colleges in fiscal year 1994.

Data for only those agencies that had obligations in the variables represented by this in the table. For a complete list of the Federal agencies that have been included in the Federal Funds Survey, refer to appendix A.

KEY: n.e.c. = Not elsewhere classified

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1994, 1995, and 1996

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Table C-60. Federal obligations for research performed at universities and colleges in physical and environmental sciences, by agency and detailed field of science: fiscal year 1994

[Dollars in thousands]

Page 1 of 1

Agency and subdivision	Physical sciences					Environmental sciences				
	Total	Astronomy	Chemistry	Physics	Physical sciences, n.e.c.	Total	Atmospheric	Geological	Oceanography	Environmental sciences, n.e.c.
Total, all agencies	1,165,435	132,164	374,584	593,973	64,714	627,409	167,310	203,336	138,448	118,315
Departments										
Department of Agriculture, total	29,237	0	29,237	0	0	3,821	3,188	633	0	0
Agricultural Research Service[1]	0	0	0	0	0	9	9	0	0	0
Cooperative State Research, Education, & Extension Svc[2]	29,237	0	29,237	0	0	2,402	2,402	0	0	0
Forest Service	0	0	0	0	0	1,410	777	633	0	0
Department of Defense, total	131,687	6,597	54,945	62,502	7,643	136,387	13,525	55,241	45,884	21,737
Department of the Army	12,902	0	7,295	5,511	96	9,544	4,238	1,871	46	3,389
Department of the Navy	38,116	0	15,283	22,614	219	71,624	3,343	22,443	45,838	0
Department of the Air Force	49,288	6,597	21,602	21,089	0	35,537	5,339	30,198	0	0
Defense agencies, total	31,381	0	10,765	13,288	7,328	19,682	605	729	0	18,348
Advanced Rsch Projects Agency	2,212	0	510	1,566	136	6,337	0	729	0	5,608
Ballistic Missile Defense Organization	2,405	0	255	1,455	695	605	605	0	0	0
Defense Nuclear Agency	267	0	0	267	0	4,000	0	0	0	4,000
Washington Headquarters Svcs	26,497	0	10,000	10,000	6,497	8,740	0	0	0	8,740
Department of Energy	308,940	0	44,673	259,426	4,841	51,383	28,529	16,820	3,725	2,309
Dept of Health & Human Svcs, total	98,189	0	91,939	6,250	0	0	0	0	0	0
National Institutes of Health	98,189	0	91,939	6,250	0	0	0	0	0	0
Other agencies										
National Aeronautics & Space Admin	216,646	86,915	5,427	99,316	24,988	127,355	52,835	20,207	13,227	41,086
National Science Foundation	380,736	38,652	148,363	166,479	27,242	308,463	69,233	110,435	75,612	53,183

[1] The Human Nutrition Information Service merged with the Agricultural Research Service on February 20, 1994.

[2] The Cooperative State Research Service merged with the Extension Service on October 19, 1994, due to a reorganization within the Department of Agriculture.

NOTES: Only the following six agencies are required to report to this section of the survey: the Departments of Agriculture, Defense, Energy, and Health and Human Services, the National Aeronautics and Space Administration, and the National Science Foundation. The research obligations of the six agencies included in this table represent approximately 96 percent of total Federal research obligations to universities and colleges in fiscal year 1994.

Data for only those agencies that had obligations in the variables represented by this in the table. For a complete list of the Federal agencies that have been included in the Federal Funds Survey, refer to appendix A.

KEY: n.e.c. = Not elsewhere classified

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1994, 1995, and 1996

Table C-61. Federal obligations for research performed at universities and colleges in engineering, by agency and detailed field of engineering: fiscal year 1994

[Dollars in thousands]

Page 1 of 1

Agency and subdivision	Total	Aero-nautical	Astro-nautical	Chemical	Civil	Elec-trical	Mechan-ical	Metal-lurgy and materials	Engi-neering, n.e.c.
Total, all agencies	984.792	76.729	20.708	56.980	55.843	161.442	113.812	260.678	238.600
Departments:									
Department of Agriculture, total	20.648	0	0	25	0	0	0	0	20.623
Agricultural Research Service [1]	225	0	0	0	0	0	0	0	225
Cooperative State Research, Education, & Extension Svc [2]	19.898	0	0	0	0	0	0	0	19.898
Forest Service	525	0	0	25	0	0	0	0	500
Department of Defense, total	417.625	40.074	8.298	1.150	26.090	96.176	61.184	107.560	77,093
Department of the Army	37.704	3.428	0	346	4.772	10.776	8.197	5.875	4,310
Department of the Navy	71.506	559	3.493	559	1.035	28.212	21.236	16.267	145
Department of the Air Force	74.707	16.087	4.550	0	0	20.542	11.361	22.167	0
Defense agencies, total	233.708	20.000	255	245	20.283	36.646	20.390	63.251	72.638
Advanced Rsch Projects Agency	70.335	0	0	65	0	12.845	0	41.984	15.441
Ballistic Missile Defense Organization	5.668	0	255	180	0	3.676	290	1.267	0
Defense Nuclear Agency	528	0	0	0	283	125	100	0	20
Washington Headquarters Svcs	157.177	20.000	0	0	20.000	20.000	20.000	20.000	57,177
Department of Energy	69.198	0	0	20.531	1.597	1.361	8.517	19.577	17.615
Dept of Health & Human Svcs, total	44.304	0	0	0	0	0	0	0	44.304
National Institutes of Health	44.304	0	0	0	0	0	0	0	44.304
Other agencies:									
National Aeronautics & Space Admin	112,484	36.504	12.410	2.758	1.252	8.713	11.442	16.681	22,724
National Science Foundation	320.533	151	0	32.516	26.904	55.192	32.669	116,860	56,241

[1] The Human Nutrition Information Service merged with the Agricultural Research Service on February 20, 1994.

[2] The Cooperative State Research Service merged with the Extension Service on October 19, 1994, due to a reorganization within the Department of Agriculture.

NOTES: Only the following six agencies are required to report to this section of the survey: the Departments of Agriculture, Defense, Energy, and Health and Human Services; the National Aeronautics and Space Administration; and the National Science Foundation. The research obligations of the six agencies included in this table represent approximately 96 percent of total Federal research obligations to universities and colleges in fiscal year 1994.

Data for only those agencies that had obligations in the variables represented by this in the table. For a complete list of the Federal agencies that have been included in the Federal Funds Survey, refer to appendix A.

KEY: n.e.c. = Not elsewhere classified

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1994, 1995, and 1996

Table C-62. Federal obligations for research performed at universities and colleges in mathematics and computer sciences and in social sciences, by agency and detailed field of science: fiscal year 1994

[Dollars in thousands]

Page 1 of 1

Agency and subdivision	Mathematics and computer sciences				Social sciences					
	Total	Mathematics	Computer sciences	Mathematics and computer sciences, n.e.c.	Total	Anthropology	Economics	Political science	Sociology	Social sciences, n.e.c.
Total, all agencies	530,077	137,848	361,210	31,019	200,495	6,614	54,759	4,979	27,631	106,512
Departments:										
Department of Agriculture, total	2,921	466	2,455	0	54,598	0	45,403	0	9,195	0
Agricultural Cooperative Service	0	0	0	0	272	0	272	0	0	0
Agricultural Research Service[1]	2,455	0	2,455	0	0	0	0	0	0	0
Cooperative State Research, Education, & Extension Svc[2]	0	0	0	0	49,832	0	41,150	0	8,682	0
Economic Research Service	0	0	0	0	2,496	0	2,496	0	0	0
Forest Service	351	351	0	0	1,998	0	1,485	0	513	0
Nat'l Agricultural Statistics Svc	115	115	0	0	0	0	0	0	0	0
Department of Defense, total	259,608	44,840	198,366	16,402	1,084	0	41	0	27	1,016
Department of the Army	14,892	6,960	5,941	1,991	929	0	41	0	27	861
Department of the Navy	22,350	11,739	10,543	68	0	0	0	0	0	0
Department of the Air Force	24,578	17,230	6,746	602	0	0	0	0	0	0
Defense agencies, total	197,788	8,911	175,136	13,741	155	0	0	0	0	155
Advanced Rsch Projects Agency	174,495	3,407	170,058	1,030	0	0	0	0	0	0
Ballistic Missile Defense Organization	582	504	78	0	0	0	0	0	0	0
Washington Headquarters Svcs	22,711	5,000	5,000	12,711	155	0	0	0	0	155
Department of Energy	13,880	9,070	2,310	2,500	0	0	0	0	0	0
Dept of Health & Human Svcs, total	10,258	7,786	2,298	174	91,330	0	1,123	0	12,915	77,292
Administration on Aging[3]	0	0	0	0	1,192	0	0	0	0	1,192
Admin for Children & Families[3]	0	0	0	0	9,183	0	0	0	0	9,183
Agency for Health Care Policy & Research[4]	2,657	353	2,130	174	16,352	0	1,123	0	12,915	2,314
National Institutes of Health	7,601	7,433	168	0	62,345	0	0	0	0	62,345
Office of the Secretary	0	0	0	0	877	0	0	0	0	877
Social Security Administration[5]	0	0	0	0	1,381	0	0	0	0	1,381
Other agencies:										
National Aeronautics & Space Admin	22,133	689	16,711	4,733	162	0	0	0	87	75
National Science Foundation	221,277	74,997	139,070	7,210	53,321	6,614	8,192	4,979	5,407	28,129

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[1] The Human Nutrition Information Service merged with the Agricultural Research Service on February 20, 1994.

[2] The Cooperative State Research Service merged with the Extension Service on October 19, 1994, due to a reorganization within the Department of Agriculture.

[3] In fiscal year 1991 Human Development Services was replaced by the Administration for Children and Families and by the Administration on Aging. Beginning in fiscal year 1992, data shown for the Administration for Children and Families are separate from obligations for the Administration on Aging.

[4] In fiscal year 1991 the Agency for Health Care Policy and Research became separate from the Office of the Assistant Secretary for Health.

[5] As of March 31, 1995, the Social Security Administration became an independent agency; it is no longer part of the Department of Health & Human Services.

NOTES: Only the following six agencies are required to report to this section of the survey: the Departments of Agriculture, Defense, Energy, and Health and Human Services; the National Aeronautics and Space Administration; and the National Science Foundation. The research obligations of the six agencies included in this table represent approximately 96 percent of total Federal research obligations to universities and colleges in fiscal year 1994.

Data for only those agencies that had obligations in the variables represented by this in the table. For a complete list of the Federal agencies that have been included in the Federal Funds Survey, refer to appendix A.

KEY: n.e.c. = Not elsewhere classified

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1994, 1995, and 1996

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Table C-63. Federal obligations for basic research performed at universities and colleges, by detailed field of science and engineering: fiscal years 1994, 1995, and 1996

[Dollars in thousands]

Page 1 of 1

Field of science and engineering	1994	Estimates	
		1995	1996
Total, all fields	6,979,251	7,185,904	7,445,302
Life sciences, total	3,894,064	3,974,352	4,148,626
Biological (excluding environmental)	2,035,670	2,095,908	2,186,688
Environmental biology	111,591	117,065	123,692
Agricultural	84,915	85,325	90,321
Medical	1,553,079	1,592,114	1,646,405
Life sciences, n.e.c.	108,809	83,940	101,520
Psychology, total	175,102	183,216	185,959
Biological aspects	8,629	9,659	9,625
Social aspects	11,926	12,912	12,286
Psychological sciences, n.e.c.	154,547	160,645	164,048
Physical sciences, total	930,359	968,352	992,610
Astronomy	119,119	120,638	122,219
Chemistry	321,694	335,899	346,662
Physics	435,117	441,382	462,026
Physical sciences, n.e.c.	54,429	70,433	61,703
Environmental sciences, total	592,786	605,779	611,273
Atmospheric	158,468	164,335	170,515
Geological	197,605	181,950	190,799
Oceanography	136,059	137,762	143,291
Environmental sciences, n.e.c.	100,654	121,732	106,668
Mathematics & computer sciences, total	340,263	353,151	380,883
Mathematics	127,829	138,410	146,534
Computer sciences	192,717	201,548	213,053
Mathematics & computer sciences, n.e.c.	19,717	13,193	21,296
Engineering, total	715,237	744,780	758,490
Aeronautical	67,137	69,020	70,725
Astronautical	11,301	10,971	11,256
Chemical	33,615	32,282	30,114
Civil	45,348	47,343	49,757
Electrical	122,438	128,807	146,062
Mechanical	93,118	106,174	110,765
Metallurgy & materials	196,387	203,228	213,771
Engineering, n.e.c.	145,893	146,955	126,040
Social sciences, total	96,359	103,792	108,061
Anthropology	5,855	6,843	7,343
Economics	19,261	19,989	20,095
Political science	4,537	5,278	5,651
Sociology	7,391	8,107	8,634
Social sciences, n.e.c.	59,315	63,575	66,338
Other sciences, n.e.c.	235,081	252,482	259,400

NOTES: Only the following six agencies are required to report to this section of the survey: the Departments of Agriculture, Defense, Energy, and Health and Human Services; the National Aeronautics and Space Administration; and the National Science Foundation. The basic research obligations of the six agencies included in this table represent approximately 99 percent of total Federal basic research obligations to universities and colleges in fiscal years 1994, 1995, and 1996.

Data for only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal Funds Survey, refer to appendix A.

KEY: n.e.c. = Not elsewhere classified

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1994, 1995, and 1996

Table C-64. Federal obligations for basic research performed at universities and colleges, by agency and field of science and engineering: fiscal year 1994

[Dollars in thousands]

Page 1 of 1

Agency and subdivision	Total	Life sciences	Psychology	Physical sciences	Environmental sciences	Mathematics and computer sciences	Engineering	Social sciences	Other sciences, n.e.c.
Total, all agencies	6,979,251	3,894,064	175,102	930,359	592,786	340,263	715,237	96,359	235,081
Departments									
Department of Agriculture, total	199,238	162,548	0	12,656	1,337	1,573	5,880	15,244	0
Agricultural Research Service[1]	13,619	12,041	0	0	5	1,441	132	0	0
Cooperative State Research, Education, & Extension Svc[2]	177,795	144,614	0	12,656	932	0	5,551	14,042	0
Economic Research Service	449	0	0	0	0	0	0	449	0
Foreign Agricultural Service[3]	49	49	0	0	0	0	0	0	0
Forest Service	7,326	5,844	0	0	400	132	197	753	0
Department of Defense, total	760,510	114,264	15,914	109,231	119,778	101,183	299,010	861	269
Department of the Army	68,256	11,548	2,022	11,081	5,320	11,809	25,615	861	0
Department of the Navy	199,396	18,637	11,251	28,408	70,332	21,065	49,434	0	269
Department of the Air Force	174,330	19,650	0	42,871	35,537	23,197	53,075	0	0
Defense agencies, total	318,528	64,429	2,641	26,871	8,589	45,112	170,886	0	0
Advanced Rsch Projects Agency	40,192	208	0	510	0	22,808	16,666	0	0
Washington Headquarters Svcs	278,336	64,221	2,641	26,361	8,589	22,304	154,220	0	0
Department of Energy	363,731	55,215	0	211,084	46,712	10,880	38,554	0	1,286
Dept of Health & Human Svcs, total	3,680,348	3,271,736	145,293	82,111	0	4,827	29,486	34,218	112,677
Health Resources & Svcs Admin	246	246	0	0	0	0	0	0	0
National Institutes of Health	3,680,102	3,271,490	145,293	82,111	0	4,827	29,486	34,218	112,677
Other agencies									
National Aeronautics & Space Admin	421,481	28,102	3,387	150,751	120,524	15,014	75,305	162	28,236
National Science Foundation	1,553,943	262,199	10,508	364,526	304,435	206,786	267,002	45,874	92,613

[1] The Human Nutrition Information Service merged with the Agricultural Research Service on February 20, 1994.

[2] The Cooperative State Research Service merged with the Extension Service on October 19, 1994, due to a reorganization within the Department of Agriculture.

[3] The Office of International Cooperation and Development became part of the Foreign Agricultural Service (FAS) in June of 1994. Data reported for FAS include funds appropriated to International Cooperation and Development programs within FAS as of fiscal year 1995.

NOTES: Only the following six agencies are required to report to this section of the survey: the Departments of Agriculture, Defense, Energy, and Health and Human Services; the National Aeronautics and Space Administration; and the National Science Foundation. The basic research obligations of the six agencies included in this table represent approximately 99 percent of total Federal basic research obligations to universities and colleges in fiscal year 1994.

Data for only those agencies that had obligations in the variables represented by this in the table. For a complete list of the Federal agencies that have been included in the Federal Funds Survey, refer to appendix A.

KEY: n.e.c. = Not elsewhere classified

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1994, 1995, and 1996

Table C-65. Estimated Federal obligations for basic research performed at universities and colleges, by agency and field of science and engineering: fiscal year 1995

[Dollars in thousands]

Page 1 of 1

Agency and subdivision	Total	Life sciences	Psychology	Physical sciences	Environmental sciences	Mathematics and computer sciences	Engineering	Social sciences	Other sciences, n.e.c.
Total, all agencies	7,185.904	3.974.352	183.216	968.352	605.779	353,151	744.780	103,792	252,482
Departments									
Department of Agriculture, total	197,919	162.402	0	12.078	1,427	1,710	5.768	14.534	0
Agricultural Research Service[1]	15,929	14,195	0	0	6	1,574	154	0	0
Cooperative State Research, Education, & Extension Svc[2]	174,338	142,394	0	12.078	887	0	5,413	13.566	0
Economic Research Service	213	0	0	0	0	0	0	213	0
Foreign Agricultural Service[3]	89	89	0	0	0	0	0	0	0
Forest Service	7,350	5,724	0	0	534	136	201	755	0
Department of Defense, total	773,289	92,064	18,579	130,189	113,713	99,229	318.393	710	412
Department of the Army	64,989	12,105	1,865	8.761	4.092	7.935	29.521	710	0
Department of the Navy	210,466	23,979	12.117	30,578	61.161	25.621	56.598	0	412
Department of the Air Force	165.834	19,167	0	40.735	22.579	23,613	59.740	0	0
Defense agencies, total	332.000	36.813	4.597	50.115	25,881	42.060	172.534	0	0
Advanced Rsch Projects Agency	32.085	0	0	0	0	13.686	18.399	0	0
Washington Headquarters Svcs	299,915	36.813	4.597	50.115	25.881	28,374	154,135	0	0
Department of Energy	373.496	60.125	0	210,150	50.726	12.529	39,182	0	784
Dept of Health & Human Svcs, total	3.774.910	3.355.773	149.037	84,225	0	4.952	30.244	35,099	115.580
Health Resources & Svcs Admin	12	12	0	0	0	0	0	0	0
National Institutes of Health	3,774.898	3,355,761	149,037	84,225	0	4.952	30.244	35.099	115.580
Other agencies:									
National Aeronautics & Space Admin	436.233	29,086	3.506	156,028	124,742	15.539	77.940	168	29,224
National Science Foundation	1,630,057	274.902	12,094	375.682	315,171	219,192	273.253	53,281	106.482

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[1] The Human Nutrition Information Service merged with the Agricultural Research Service on February 20, 1994.

[2] The Cooperative State Research Service merged with the Extension Service on October 19, 1994, due to a reorganization within the Department of Agriculture.

[3] The Office of International Cooperation and Development became part of the Foreign Agricultural Service (FAS) in June of 1994. Data reported for FAS include funds appropriated to International Cooperation and Development programs within FAS as of fiscal year 1995.

NOTES: Only the following six agencies are required to report to this section of the survey: the Departments of Agriculture, Defense, Energy, and Health and Human Services; the National Aeronautics and Space Administration; and the National Science Foundation. The basic research obligations of the six agencies included in this table represent approximately 99 percent of total Federal basic research obligations to universities and colleges in fiscal year 1995.

Data for only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal Funds Survey, refer to appendix A.

KEY: n.e.c. = Not elsewhere classified

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1994, 1995, and 1996

Table C-66. Estimated Federal obligations for basic research performed at universities and colleges, by agency and field of science and engineering: fiscal year 1996

[Dollars in thousands]

Page 1 of 1

Agency and subdivision	Total	Life sciences	Psychology	Physical sciences	Environmental sciences	Mathematics and computer sciences	Engineering	Social sciences	Other sciences, n.e.c.
Total, all agencies	7,445,302	4,148,626	185,959	992,610	611,273	380,883	758,490	108,061	259,400
Departments:									
Department of Agriculture, total	209,019	173,724	0	11,845	1,364	1,738	6,027	14,321	0
Agricultural Research Service[1]	15,544	13,786	0	0	6	1,602	150	0	0
Cooperative State Research, Education, & Extension Svc[2]	185,819	154,125	0	11,845	824	0	5,676	13,349	0
Economic Research Service	217	0	0	0	0	0	0	217	0
Foreign Agricultural Service[3]	89	89	0	0	0	0	0	0	0
Forest Service	7,350	5,724	0	0	534	136	201	755	0
Department of Defense, total	729,654	103,392	14,802	109,680	89,142	104,260	307,226	739	413
Department of the Army	75,475	5,600	1,890	8,565	3,194	14,529	40,958	739	0
Department of the Navy	203,398	23,254	10,720	29,923	59,906	24,846	54,336	0	413
Department of the Air Force	176,552	21,240	0	42,675	18,914	28,772	64,951	0	0
Defense agencies, total	274,229	53,298	2,192	28,517	7,128	36,113	146,981	0	0
Advanced Rsch Projects Agency	34,267	0	0	0	0	16,015	18,252	0	0
Washington Headquarters Svcs	239,962	53,298	2,192	28,517	7,128	20,098	128,729	0	0
Department of Energy	390,852	62,094	0	221,979	56,651	13,648	36,480	0	0
Dept of Health & Human Svcs, total	3,919,945	3,484,702	154,763	87,461	0	5,143	31,407	36,448	120,021
Health Resources & Svcs Admin	12	12	0	0	0	0	0	0	0
National Institutes of Health	3,919,933	3,484,690	154,763	87,461	0	5,143	31,407	36,448	120,021
Other agencies:									
National Aeronautics & Space Admin	436,233	29,086	3,506	156,028	124,742	15,539	77,940	168	29,224
National Science Foundation	1,759,599	295,628	12,888	405,617	339,374	240,555	299,410	56,385	109,742

[1] The Human Nutrition Information Service merged with the Agricultural Research Service on February 20, 1994.

[2] The Cooperative State Research Service merged with the Extension Service on October 19, 1994, due to a reorganization within the Department of Agriculture.

[3] The Office of International Cooperation and Development became part of the Foreign Agricultural Service (FAS) in June of 1994. Data reported for FAS include funds appropriated to International Cooperation and Development programs within FAS as of fiscal year 1995.

NOTES: Only the following six agencies are required to report to this section of the survey: the Departments of Agriculture, Defense, Energy, and Health and Human Services; the National Aeronautics and Space Administration; and the National Science Foundation. The basic research obligations of the six agencies included in this table represent approximately 99.6 percent of total Federal basic research obligations to universities and colleges in fiscal year 1996.

Data for only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal Funds Survey, refer to appendix A.

KEY: n.e.c. = Not elsewhere classified

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1994, 1995, and 1996

Table C-67. Federal obligations for basic research performed at universities and colleges in psychology and life sciences, by agency and detailed field of science: fiscal year 1994

[Dollars in thousands]

Page 1 of 1

Agency and subdivision	Psychology				Life sciences					
	Total	Biological aspects	Social aspects	Psychological sciences, n.e.c.	Total	Biological	Environmental biology	Agricultural	Medical	Life sciences, n.e.c.
Total, all agencies	175,102	8,629	11,926	154,547	3,894,064	2,035,670	111,591	84,915	1,553,079	108,809
Departments										
Department of Agriculture, total	0	0	0	0	162,548	50,017	22,762	84,034	5,735	0
Agricultural Research Service[1]	0	0	0	0	12,041	2,421	674	8,946	0	0
Cooperative State Research Education, & Extension Svc[2]	0	0	0	0	144,614	43,940	19,900	75,039	5,735	0
Foreign Agricultural Service[3]	0	0	0	0	49	0	0	49	0	0
Forest Service	0	0	0	0	5,844	3,656	2,188	0	0	0
Department of Defense, total	15,914	4,846	6,855	4,213	114,264	28,662	20,052	0	21,329	44,221
Department of the Army	2,022	0	2,022	0	11,548	2,154	122	0	9,272	0
Department of the Navy	11,251	4,846	4,833	1,572	18,637	8,434	8,215	0	1,988	0
Department of the Air Force	0	0	0	0	19,650	12,935	6,715	0	0	0
Defense agencies, total	2,641	0	0	2,641	64,429	5,139	5,000	0	10,069	44,221
Advanced Rsch Projects Agency	0	0	0	0	208	139	0	0	69	0
Washington Headquarters Svcs	2,641	0	0	2,641	64,221	5,000	5,000	0	10,000	44,221
Department of Energy	0	0	0	0	55,215	54,175	0	0	0	1,040
Dept of Health & Human Svcs, total	145,293	0	0	145,293	3,271,736	1,696,299	56	0	1,520,779	54,602
Health Resources & Svcs Admin	0	0	0	0	246	0	0	0	246	0
National Institutes of Health	145,293	0	0	145,293	3,271,490	1,696,299	56	0	1,520,533	54,602
Other agencies										
National Aeronautics & Space Admin	3,387	73	397	2,917	28,102	13,422	1,110	881	5,236	7,453
National Science Foundation	10,508	3,710	4,674	2,124	262,199	193,095	67,611	0	0	1,493

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[1] The Human Nutrition Information Service merged with the Agricultural Research Service on February 20, 1994.

[2] The Cooperative State Research Service merged with the Extension Service on October 19, 1994, due to a reorganization within the Department of Agriculture.

[3] The Office of International Cooperation and Development became part of the Foreign Agricultural Service (FAS) in June of 1994. Data reported for FAS include funds appropriated to International Cooperation and Development programs within FAS as of fiscal year 1995.

NOTES: Only the following six agencies are required to report to this section of the survey: the Departments of Agriculture, Defense, Energy, and Health and Human Services; the National Aeronautics and Space Administration; and the National Science Foundation. The basic research obligations of the six agencies included in this table represent approximately 99 percent of total Federal basic research obligations to universities and colleges in fiscal year 1994.

Data for only those agencies that had obligations in the variables represented by this in the table. For a complete list of the Federal agencies that have been included in the Federal Funds Survey, refer to appendix A.

KEY: n.e.c. = Not elsewhere classified

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1994, 1995, and 1996.

Table C-68. Federal obligations for basic research performed at universities and colleges in physical and environmental sciences, by agency and detailed field of science: fiscal year 1994

[Dollars in thousands]

Page 1 of 1

Agency and subdivision	Physical sciences					Environmental sciences				
	Total	Astronomy	Chemistry	Physics	Physical sciences, n.e.c.	Total	Atmospheric	Geological	Oceanography	Environmental sciences, n.e.c.
Total, all agencies	930,359	119,119	321,694	435,117	54,429	592,786	158,468	197,605	136,059	100,654
Departments										
Department of Agriculture, total	12,656	0	12,656	0	0	1,337	1,229	108	0	0
Agricultural Research Service[1]	0	0	0	0	0	5	5	0	0	0
Cooperative State Research, Education, & Extension Svc[2]	12,656	0	12,656	0	0	932	932	0	0	0
Forest Service	0	0	0	0	0	400	292	108	0	0
Department of Defense, total	109,231	6,597	50,755	45,422	6,457	119,778	11,449	54,351	44,929	9,049
Department of the Army	11,081	0	5,474	5,511	96	5,320	3,013	1,825	22	460
Department of the Navy	28,408	0	14,363	14,045	0	70,332	3,097	22,328	44,907	0
Department of the Air Force	42,871	6,597	20,408	15,866	0	35,537	5,339	30,198	0	0
Defense agencies, total	26,871	0	10,510	10,000	6,361	8,589	0	0	0	8,589
Advanced Rsch Projects Agency	510	0	510	0	0	0	0	0	0	0
Washington Headquarters Svcs	26,361	0	10,000	10,000	6,361	8,589	0	0	0	8,589
Department of Energy	211,084	0	37,346	173,650	88	46,712	28,504	14,200	3,725	283
Dept of Health & Human Svcs, total	82,111	0	76,967	5,144	0	0	0	0	0	0
National Institutes of Health	82,111	0	76,967	5,144	0	0	0	0	0	0
Other agencies										
National Aeronautics & Space Admin	150,751	73,963	5,138	48,826	22,824	120,524	48,439	20,105	13,091	38,889
National Science Foundation	364,526	38,559	138,832	162,075	25,060	304,435	68,847	108,841	74,314	52,433

[1] The Human Nutrition Information Service merged with the Agricultural Research Service on February 20, 1994.

[2] The Cooperative State Research Service merged with the Extension Service on October 19, 1994, due to a reorganization within the Department of Agriculture.

NOTES: Only the following six agencies are required to report to this section of the survey: the Departments of Agriculture, Defense, Energy, and Health and Human Services; the National Aeronautics and Space Administration; and the National Science Foundation. The basic research obligations of the six agencies included in this table represent approximately 99 percent of total Federal basic research obligations to universities and colleges in fiscal year 1994.

Data for only those agencies that had obligations in the variables represented by this in the table. For a complete list of the Federal agencies that have been included in the Federal Funds Survey, refer to appendix A.

KEY: n.e.c. = Not elsewhere classified

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1994, 1995, and 1996.

Table C-69. Federal obligations for basic research performed at universities and colleges in engineering, by agency and detailed field of engineering: fiscal year 1994

[Dollars in thousands]

Page 1 of 1

Agency and subdivision	Total	Aeronautical	Astronautical	Chemical	Civil	Electrical	Mechanical	Metallurgy and materials	Engineering, n.e.c.
Total, all agencies	715,237	67,137	11,301	33,615	45,348	122,438	93,118	196,387	145,893
Departments									
Department of Agriculture, total	5,880	0	0	9	0	0	0	0	5,871
Agricultural Research Service[1]	132	0	0	0	0	0	0	0	132
Cooperative State Research Education, & Extension Svc[2]	5,551	0	0	0	0	0	0	0	5,551
Forest Service	197	0	0	9	0	0	0	0	188
Department of Defense, total	299,010	38,035	3,242	118	21,722	69,829	49,647	55,521	60,896
Department of the Army	25,615	2,767	0	53	1,722	9,031	4,114	5,645	2,283
Department of the Navy	49,434	0	0	0	0	20,429	16,507	12,498	0
Department of the Air Force	53,075	15,268	3,242	0	0	17,273	9,026	8,266	0
Defense agencies, total	170,886	20,000	0	65	20,000	23,096	20,000	29,112	58,613
Advanced Rsch Projects Agency	16,666	0	0	65	0	3,096	0	9,112	4,393
Washington Headquarters Svcs	154,220	20,000	0	0	20,000	20,000	20,000	20,000	54,220
Department of Energy	38,554	0	0	7,185	0	0	8,434	18,886	4,049
Dept of Health & Human Svcs, total	29,486	0	0	0	0	0	0	0	29,486
National Institutes of Health	29,486	0	0	0	0	0	0	0	29,486
Other agencies									
National Aeronautics & Space Admin	75,305	29,028	8,059	2,414	208	4,982	9,523	13,303	7,788
National Science Foundation	267,002	74	0	23,889	23,418	47,627	25,514	108,677	37,803

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[2] The Cooperative State Research Service merged with the Extension Service on October 19, 1994, due to a reorganization within the Department of Agriculture.

NOTES: Only the following six agencies are required to report to this section of the survey: the Departments of Agriculture, Defense, Energy, and Health and Human Services; the National Aeronautics and Space Administration; and the National Science Foundation. The basic research obligations of the six agencies included in this table represent approximately 99 percent of total Federal basic research obligations to universities and colleges in fiscal year 1994.

Data for only those agencies that had obligations in the variables represented by this in the table. For a complete list of the Federal agencies that have been included in the Federal Funds Survey, refer to appendix A.

KEY: n.e.c. = Not elsewhere classified

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1994, 1995, and 1996

Table C-70. Federal obligations for basic research performed at universities and colleges in mathematics and computer sciences and in social sciences, by agency and detailed field of science: fiscal year 1994

[Dollars in thousands]

Page 1 of 1

Agency and subdivision	Mathematics and computer sciences				Social sciences					
	Total	Mathematics	Computer sciences	Mathematics and computer sciences, n.e.c.	Total	Anthropology	Economics	Political science	Sociology	Social sciences, n.e.c.
Total, all agencies	340,263	127,829	192,717	19,717	96,359	5,855	19,261	4,537	7,391	59,315
Departments										
Department of Agriculture, total	1,573	132	1,441	0	15,244	0	12,313	0	2,931	0
Agricultural Research Service[1]	1,441	0	1,441	0	0	0	0	0	0	0
Cooperative State Research, Education, & Extension Svc[2]	0	0	0	0	14,042	0	11,248	0	2,794	0
Economic Research Service	0	0	0	0	449	0	449	0	0	0
Forest Service	132	132	0	0	753	0	616	0	137	0
Department of Defense, total	101,183	39,975	47,856	13,352	861	0	0	0	0	861
Department of the Army	11,809	6,688	5,076	45	861	0	0	0	0	861
Department of the Navy	21,065	11,702	9,363	0	0	0	0	0	0	0
Department of the Air Force	23,197	16,585	6,010	602	0	0	0	0	0	0
Defense agencies, total	45,112	5,000	27,407	12,705	0	0	0	0	0	0
Advanced Rsch Projects Agency	22,808	0	22,407	401	0	0	0	0	0	0
Washington Headquarters Svcs	22,304	5,000	5,000	12,304	0	0	0	0	0	0
Department of Energy	10,880	8,570	2,310	0	0	0	0	0	0	0
Dept of Health & Human Svcs, total	4,827	4,689	138	0	34,218	0	0	0	0	34,218
National Institutes of Health	4,827	4,689	138	0	34,218	0	0	0	0	34,218
Other agencies										
National Aeronautics & Space Admin	15,014	689	11,770	2,555	162	0	0	0	87	75
National Science Foundation	206,786	73,774	129,202	3,810	45,874	5,855	6,948	4,537	4,373	24,161

[1] The Human Nutrition Information Service merged with the Agricultural Research Service on February 20, 1994.

[2] The Cooperative State Research Service merged with the Extension Service on October 19, 1994, due to a reorganization within the Department of Agriculture.

NOTES: Only the following six agencies are required to report to this section of the survey: the Departments of Agriculture, Defense, Energy, and Health and Human Services; the National Aeronautics and Space Administration; and the National Science Foundation. The basic research obligations of the six agencies included in this table represent approximately 99 percent of total Federal basic research obligations to universities and colleges in fiscal year 1994.

Data for only those agencies that had obligations in the variables represented by this in the table. For a complete list of the Federal agencies that have been included in the Federal Funds Survey, refer to appendix A.

KEY: n.e.c. = Not elsewhere classified

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1994, 1995, and 1996.

Table C-71. Federal obligations for applied research performed at universities and colleges, by detailed field of science and engineering: fiscal years 1994, 1995, and 1996

[Dollars in thousands]

Page 1 of 1

Field of science and engineering	1994	Estimates	
		1995	1996
Total, all fields	2,970,375	3,061,411	3,096,792
Life sciences, total	1,872,692	1,919,273	1,957,849
Biological (excluding environmental)	779,076	798,023	826,018
Environmental biology	50,575	49,143	47,898
Agricultural	76,989	75,721	73,866
Medical	939,138	962,688	977,143
Life sciences, n.e.c.	26,914	33,698	32,924
Psychology, total	141,126	142,929	147,769
Biological aspects	175	533	517
Social aspects	5,623	5,636	5,424
Psychological sciences, n.e.c.	135,328	136,760	141,828
Physical sciences, total	235,076	253,708	252,026
Astronomy	13,045	13,508	13,508
Chemistry	52,890	57,938	56,765
Physics	158,856	170,147	169,709
Physical sciences, n.e.c.	10,285	12,115	12,044
Environmental sciences, total	34,623	38,722	24,404
Atmospheric	8,842	9,163	8,812
Geological	5,731	7,001	6,144
Oceanography	2,389	2,327	2,264
Environmental sciences, n.e.c.	17,661	20,231	7,184
Mathematics & computer sciences, total	189,814	190,429	211,942
Mathematics	10,019	10,347	9,138
Computer sciences	168,493	170,969	194,280
Mathematics & computer sciences, n.e.c.	11,302	9,113	8,524
Engineering, total	269,555	271,227	254,878
Aeronautical	9,592	10,925	11,637
Astronautical	9,407	10,259	9,872
Chemical	23,365	24,331	21,434
Civil	10,495	8,823	8,860
Electrical	39,004	42,118	41,514
Mechanical	20,694	17,476	17,628
Metallurgy & materials	64,291	50,430	47,471
Engineering, n.e.c.	92,707	106,865	96,462
Social sciences, total	104,136	108,667	109,578
Anthropology	759	939	1,007
Economics	35,498	35,044	31,533
Political science	442	517	557
Sociology	20,240	21,337	24,471
Social sciences, n.e.c.	47,197	50,830	52,010
Other sciences, n.e.c.	123,353	136,456	138,346

NOTES: Only the following six agencies are required to report to this section of the survey: the Departments of Agriculture, Defense, Energy, and Health and Human Services; the National Aeronautics and Space Administration; and the National Science Foundation. The applied research obligations of the six agencies included in this table represent approximately 90 percent of total Federal applied research obligations to universities and colleges in fiscal years 1994, 1995, and 1996.

Data for only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal Funds Survey, refer to appendix A.

KEY: n.e.c. = Not elsewhere classified

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1994, 1995, and 1996

Table C-72. Federal obligations for applied research performed at universities and colleges, by agency and field of science and engineering: fiscal year 1994

[Dollars in thousands]

Page 1 of 1

Agency and subdivision	Total	Life sciences	Psychology	Physical sciences	Environmental sciences	Mathematics and computer sciences	Engineering	Social sciences	Other sciences, n.e.c.
Total, all agencies	2,970,375	1,872,692	141,126	235,076	34,623	189,814	269,555	104,136	123,353
Departments									
Department of Agriculture, total	236,077	161,542	0	16,581	2,484	1,348	14,768	39,354	0
Agricultural Cooperative Service	272	0	0	0	0	0	0	272	0
Agricultural Marketing Service[1]	273	273	0	0	0	0	0	0	0
Agricultural Research Service[2]	9,584	8,473	0	0	4	1,014	93	0	0
Cooperative State Research, Education, & Extension Svc[3]	211,269	143,081	0	16,581	1,470	0	14,347	35,790	0
Economic Research Service	2,047	0	0	0	0	0	0	2,047	0
Foreign Agricultural Service[4]	146	146	0	0	0	0	0	0	0
Forest Service	12,141	9,339	0	0	1,010	219	328	1,245	0
Human Nutrition Information Svc[2]	230	230	0	0	0	0	0	0	0
Nat'l Agricultural Statistics Svc	115	0	0	0	0	115	0	0	0
Department of Defense, total	350,154	26,131	5,388	22,456	16,609	158,425	118,615	223	2,307
Department of the Army	28,630	5,821	1,286	1,821	4,224	3,083	12,089	68	238
Department of the Navy	37,239	1,467	1,099	9,708	1,292	1,285	22,072	0	316
Department of the Air Force	32,654	355	2,869	6,417	0	1,381	21,632	0	0
Defense agencies, total	251,631	18,488	134	4,510	11,093	152,676	62,822	155	1,753
Advanced Rsch Projects Agency	213,395	0	0	1,702	6,337	151,687	53,669	0	0
Ballistic Missile Defense Organization	9,260	0	0	2,405	605	582	5,668	0	0
Defense Nuclear Agency	5,231	0	0	267	4,000	0	528	0	436
Washington Headquarters Svcs	23,745	18,488	134	136	151	407	2,957	155	1,317
Department of Energy	164,962	28,669	0	97,856	4,671	3,000	30,644	0	122
Dept of Health & Human Svcs, total	1,959,027	1,631,951	128,947	16,078	0	5,431	14,818	57,112	104,690
Administration on Aging[5]	1,192	0	0	0	0	0	0	1,192	0
Admin for Children & Families[5]	9,183	0	0	0	0	0	0	9,183	0
Agency for Health Care Policy & Research[6]	55,175	30,604	0	0	0	2,657	0	16,352	5,562
Centers for Disease Control & Prevention	29,872	29,872	0	0	0	0	0	0	0
Food & Drug Administration	10,128	10,128	0	0	0	0	0	0	0
Health Care Financing Admin	7,359	7,359	0	0	0	0	0	0	0
Health Resources & Svcs Admin	6,553	6,553	0	0	0	0	0	0	0
National Institutes of Health	1,837,307	1,547,435	128,947	16,078	0	2,774	14,818	28,127	99,128
Office of the Secretary	877	0	0	0	0	0	0	877	0
Social Security Administration[7]	1,381	0	0	0	0	0	0	1,381	0
Other agencies:									
National Aeronautics & Space Admin	133,890	8,911	1,724	65,895	6,831	7,119	37,179	0	6,231
National Science Foundation	126,265	15,488	5,067	16,210	4,028	14,491	53,531	7,447	10,003

[1] Data reported for the Agricultural Marketing Service include funds for the Office of Transportation beginning in 1989.

[2] The Human Nutrition Information Service merged with the Agricultural Research Service on February 20, 1994.

[3] The Cooperative State Research Service merged with the Extension Service on October 19, 1994, due to a reorganization within the Department of Agriculture.

[4] The Office of International Cooperation and Development became part of the Foreign Agricultural Service (FAS) in June of 1994. Data reported for FAS include funds appropriated to International Cooperation and Development programs within FAS as of fiscal year 1995.

[5] In fiscal year 1991 Human Development Services was replaced by the Administration for Children and Families and by the Administration on Aging. Beginning in fiscal year 1992, data shown for the Administration for Children and Families are separate from obligations for the Administration on Aging.

[6] In fiscal year 1991 the Agency for Health Care Policy and Research became separate from the Office of the Assistant Secretary for Health.

[7] As of March 31, 1995, the Social Security Administration became an independent agency; it is no longer part of the Department of Health & Human Services.

NOTES: Only the following six agencies are required to report to this section of the survey: the Departments of Agriculture, Defense, Energy, and Health and Human Services; the National Aeronautics and Space Administration; and the National Science Foundation. The applied research obligations of the six agencies included in this table represent approximately 90 percent of total Federal applied research obligations to universities and colleges in fiscal year 1994.

Data for only those agencies that had obligations in the variables represented by this in the table. For a complete list of the Federal agencies that have been included in the Federal Funds Survey, refer to appendix A.

KEY: n.e.c. = Not elsewhere classified

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1994, 1995, and 1996

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Table C-73. Estimated Federal obligations for applied research performed at universities and colleges, by agency and field of science and engineering: fiscal year 1995

[Dollars in thousands]

Page 1 of 1

Agency and subdivision	Total	Life sciences	Psychology	Physical sciences	Environmental sciences	Mathematics and computer sciences	Engineering	Social sciences	Other sciences, n.e.c.
Total, all agencies	3,061,411	1,919,273	142,929	253,708	38,722	190,429	271,227	108,667	136,456
Departments									
Department of Agriculture, total	230,647	158,702	0	15,620	2,273	1,303	14,293	38,456	0
Agricultural Research Service[1]	11,209	10,172	0	0	5	923	109	0	0
Cooperative State Research, Education, & Extension Svc[2]	203,814	138,780	0	15,620	1,382	0	13,850	34,182	0
Economic Research Service	1,921	0	0	0	0	0	0	1,921	0
Foreign Agricultural Service[3]	266	266	0	0	0	0	0	0	0
Forest Service	12,182	9,484	0	0	886	225	334	1,253	0
Nat'l Agricultural Statistics Svc	155	0	0	0	0	155	0	0	0
Rural Business & Coop Dvlpmt Svc	1,100	0	0	0	0	0	0	1,100	0
Department of Defense, total	349,466	30,920	5,944	27,004	5,671	156,023	118,615	513	4,776
Department of the Army	25,878	6,108	1,309	1,995	2,233	1,917	11,545	69	702
Department of the Navy	41,960	1,653	1,238	10,939	1,456	1,448	24,870	0	356
Department of the Air Force	39,212	536	3,014	7,668	0	1,701	26,293	0	0
Defense agencies, total	242,416	22,623	383	6,402	1,982	150,957	55,907	444	3,718
Advanced Rsch Projects Agency	192,773	0	0	1,086	925	149,190	41,572	0	0
Ballistic Missile Defense Organization	8,995	0	0	1,585	625	1,252	5,533	0	0
Defense Nuclear Agency	1,328	0	0	0	0	0	340	0	988
Washington Headquarters Svcs	39,320	22,623	383	3,731	432	515	9,462	444	2,730
Department of Energy	194,823	26,047	0	105,668	18,100	0	39,608	0	5,400
Dept of Health & Human Svcs, total	2,015,256	1,677,507	132,021	16,461	0	5,696	15,171	60,926	107,474
Administration on Aging[4]	1,100	0	0	0	0	0	0	1,100	0
Admin for Children & Families[4]	9,544	0	0	0	0	0	0	9,544	0
Agency for Health Care Policy & Research[5]	59,349	32,919	0	0	0	2,858	0	17,589	5,983
Centers for Disease Control & Prevention	31,366	31,366	0	0	0	0	0	0	0
Food & Drug Administration	12,000	12,000	0	0	0	0	0	0	0
Health Care Financing Admin	10,335	10,335	0	0	0	0	0	0	0
Health Resources & Svcs Admin	6,573	6,573	0	0	0	0	0	0	0
National Institutes of Health	1,881,094	1,584,314	132,021	16,461	0	2,838	15,171	28,798	101,491
Office of the Secretary	3,245	0	0	0	0	0	0	3,245	0
Social Security Administration[6]	650	0	0	0	0	0	0	650	0
Other agencies									
National Aeronautics & Space Admin	138,576	9,222	1,784	68,201	7,070	7,368	38,481	0	6,450
National Science Foundation	132,643	16,875	3,180	20,754	5,608	20,039	45,059	8,772	12,356

[1] The Human Nutrition Information Service merged with the Agricultural Research Service on February 20, 1994.

[2] The Cooperative State Research Service merged with the Extension Service on October 19, 1994, due to a reorganization within the Department of Agriculture.

[3] The Office of International Cooperation and Development became part of the Foreign Agricultural Service (FAS) in June of 1994. Data reported for FAS include funds appropriated to International Cooperation and Development programs within FAS as of fiscal year 1994.

[4] In fiscal year 1991 Human Development Services was replaced by the Administration for Children and Families and by the Administration on Aging. Beginning in fiscal year 1992, data shown for the Administration for Children and Families are separate from obligations for the Administration on Aging.

[5] In fiscal year 1991 the Agency for Health Care Policy and Research became separate from the Office of the Assistant Secretary for Health.

[6] As of March 31, 1995, the Social Security Administration became an independent agency; it is no longer part of the Department of Health & Human Services.

NOTES: Only the following six agencies are required to report to this section of the survey: the Departments of Agriculture, Defense, Energy, and Health and Human Services; the National Aeronautics and Space Administration; and the National Science Foundation. The applied research obligations of the six agencies included in this table represent approximately 89 percent of total Federal applied research obligations to universities and colleges in fiscal year 1995.

Data for only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal Funds Survey, refer to appendix A.

KEY: n.e.c. = Not elsewhere classified

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1994, 1995, and 1996

Table C-74. Estimated Federal obligations for applied research performed at universities and colleges, by agency and field of science and engineering: fiscal year 1996

[Dollars in thousands]

Page 1 of 1

Agency and subdivision	Total	Life sciences	Psy-chology	Physical sciences	Environ-mental sciences	Mathe-matics and com-puter sciences	Engi-neering	Social sciences	Other sciences, n.e.c.
Total, all agencies	3,096,792	1,957,849	147,769	252,026	24,404	211,942	254,878	109,578	138,346
Departments									
Department of Agriculture, total	221,662	155,349	0	14,156	2,083	1,288	14,098	34,688	0
Agricultural Research Service[1]	10,938	9,919	0	0	5	908	106	0	0
Cooperative State Research, Education, & Extension Svc[2]	196,163	135,680	0	14,156	1,192	0	13,658	31,477	0
Economic Research Service	1,958	0	0	0	0	0	0	1,958	0
Foreign Agricultural Service[3]	266	266	0	0	0	0	0	0	0
Forest Service	12,182	9,484	0	0	886	225	334	1,253	0
Nat'l Agricultural Statistics Svc	155	0	0	0	0	155	0	0	0
Department of Defense, total	338,069	14,582	5,667	26,028	4,642	176,185	106,762	461	3,742
Department of the Army	21,036	3,999	1,003	1,400	1,602	2,094	10,484	53	401
Department of the Navy	38,254	1,507	1,128	9,973	1,327	1,320	22,673	0	326
Department of the Air Force	39,236	98	3,183	8,459	0	1,769	25,727	0	0
Defense agencies, total	239,543	8,978	353	6,196	1,713	171,002	47,878	408	3,015
Advanced Rsch Projects Agency	200,855	0	0	1,093	691	167,649	31,422	0	0
Ballistic Missile Defense Organization	12,813	0	0	1,671	625	2,282	8,235	0	0
Defense Nuclear Agency	1,046	0	0	0	0	0	437	0	609
Washington Headquarters Svcs	24,829	8,978	353	3,432	397	1,071	7,784	408	2,406
Department of Energy	160,650	18,638	0	104,869	4,747	0	29,872	0	2,524
Dept of Health & Human Svcs, total	2,097,244	1,743,118	137,093	17,094	0	6,414	15,754	65,123	112,648
Administration on Aging[4]	1,500	0	0	0	0	0	0	1,500	0
Admin for Children & Families[4]	9,382	0	0	0	0	0	0	9,382	0
Agency for Health Care Policy & Research[5]	71,996	39,934	0	0	0	3,467	0	21,337	7,258
Centers for Disease Control & Prevention	31,366	31,366	0	0	0	0	0	0	0
Food & Drug Administration	12,000	12,000	0	0	0	0	0	0	0
Health Care Financing Admin	8,160	8,160	0	0	0	0	0	0	0
Health Resources & Svcs Admin	6,473	6,473	0	0	0	0	0	0	0
National Institutes of Health	1,953,367	1,645,185	137,093	17,094	0	2,947	15,754	29,904	105,390
Office of the Secretary	3,000	0	0	0	0	0	0	3,000	0
Other agencies									
National Aeronautics & Space Admin	138,576	9,224	1,784	68,201	7,071	7,368	38,481	0	6,447
National Science Foundation	140,591	16,938	3,225	21,678	5,861	20,687	49,911	9,306	12,985

[1] The Human Nutrition Information Service merged with the Agricultural Research Service on February 20, 1994.

[2] The Cooperative State Research Service merged with the Extension Service on October 19, 1994, due to a reorganization within the Department of Agriculture.

[3] The Office of International Cooperation and Development became part of the Foreign Agricultural Service (FAS) in June of 1994. Data reported for FAS include funds appropriated to International Cooperation and Development programs within FAS as of fiscal year 1994.

[4] In fiscal year 1991 Human Development Services was replaced by the Administration for Children and Families and by the Administration on Aging. Beginning in fiscal year 1992, data shown for the Administration for Children and Families are separate from obligations for the Administration on Aging.

[5] In fiscal year 1991 the Agency for Health Care Policy and Research became separate from the Office of the Assistant Secretary for Health.

NOTES: Only the following six agencies are required to report to this section of the survey: the Departments of Agriculture, Defense, Energy, and Health and Human Services, the National Aeronautics and Space Administration, and the National Science Foundation. The applied research obligations of the six agencies included in this table represent approximately 90 percent of total Federal applied research obligations to universities and colleges in fiscal year 1996.

Data for only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been includud in the Federal Funds Survey, refer to appendix A.

KEY: n.e.c. = Not elsewhere classified

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1994, 1995, and 1996

Table C-75. Federal obligations for applied research performed at universities and colleges in psychology and life sciences, by agency and detailed field of science: fiscal year 1994

[Dollars in thousands]

Page 1 of 1

Agency and subdivision	Psychology				Life sciences					
	Total	Biological aspects	Social aspects	Psychological sciences, n.e.c.	Total	Biological	Environmental biology	Agricultural	Medical	Life sciences, n.e.c.
Total, all agencies	141,126	175	5,623	135,328	1,872,692	779,076	50,575	76,989	939,138	26,914
Departments										
Department of Agriculture, total	0	0	0	0	161,542	36,052	45,320	75,287	4,883	0
Agricultural Marketing Service[1]	0	0	0	0	273	0	0	273	0	0
Agricultural Research Service[2]	0	0	0	0	8,473	1,704	474	6,295	0	0
Cooperative State Research, Education, & Extension Svc[3]	0	0	0	0	143,081	28,635	41,220	68,343	4,883	0
Foreign Agricultural Service[4]	0	0	0	0	146	0	0	146	0	0
Forest Service	0	0	0	0	9,339	5,713	3,626	0	0	0
Human Nutrition Information Svc[2]	0	0	0	0	230	0	0	230	0	0
Department of Defense, total	5,388	168	5,086	134	26,131	478	619	0	24,750	284
Department of the Army	1,286	0	1,286	0	5,821	210	421	0	5,190	0
Department of the Navy	1,099	168	931	0	1,467	268	127	0	1,072	0
Department of the Air Force	2,869	0	2,869	0	355	0	71	0	0	284
Defense agencies, total	134	0	0	134	18,488	0	0	0	18,488	0
Washington Headquarters Svcs	134	0	0	134	18,488	0	0	0	18,488	0
Department of Energy	0	0	0	0	28,669	975	125	50	27,519	0
Dept of Health & Human Svcs, total	128,947	0	0	128,947	1,631,951	727,083	57	207	879,835	24,769
Agency for Health Care Policy & Research[5]	0	0	0	0	30,604	0	0	0	26,851	3,753
Centers for Disease Control & Prevention	0	0	0	0	29,872	0	0	0	29,872	0
Food & Drug Administration	0	0	0	0	10,128	9,921	0	207	0	0
Health Care Financing Admin	0	0	0	0	7,359	0	0	0	0	7,359
Health Resources & Svcs Admin	0	0	0	0	6,553	0	0	0	6,553	0
National Institutes of Health	128,947	0	0	128,947	1,547,435	717,162	57	0	816,559	13,657
Other agencies										
National Aeronautics & Space Admin	1,724	0	0	1,724	8,911	3,966	215	1,445	2,151	1,134
National Science Foundation	5,067	7	537	4,523	15,488	10,522	4,239	0	0	727

[1] Data reported for the Agricultural Marketing Service include funds for the Office of Transportation beginning in 1989.

[2] The Human Nutrition Information Service merged with the Agricultural Research Service on February 20, 1994.

[3] The Cooperative State Research Service merged with the Extension Service on October 19, 1994, due to a reorganization within the Department of Agriculture.

[4] The Office of International Cooperation and Development became part of the Foreign Agricultural Service (FAS) in June of 1994. Data reported for FAS include funds appropriated to International Cooperation and Development programs within FAS as of fiscal year 1995.

[5] In fiscal year 1991 the Agency for Health Care Policy and Research became separate from the Office of the Assistant Secretary for Health.

NOTES: Only the following six agencies are required to report to this section of the survey: the Departments of Agriculture, Defense, Energy, and Health and Human Services; the National Aeronautics and Space Administration; and the National Science Foundation. The applied research obligations of the six agencies included in this table represent approximately 90 percent of total Federal applied research obligations to universities and colleges in fiscal year 1994.

Data for only those agencies that had obligations in the variables represented by this in the table. For a complete list of the Federal agencies that have been included in the Federal Funds Survey, refer to appendix A.

KEY: n.e.c. = Not elsewhere classified

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1994, 1995, and 1996

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Table C-76. Federal obligations for applied research performed at universities and colleges in physical and environmental sciences, by agency and detailed field of science: fiscal year 1994

[Dollars in thousands]

Page 1 of 1

Agency and subdivision	Physical sciences					Environmental sciences				
	Total	Astronomy	Chemistry	Physics	Physical sciences n.e.c.	Total	Atmospheric	Geological	Oceanography	Environmental sciences, n.e.c.
Total, all agencies	235,076	13,045	52,890	158,856	10,285	34,623	8,842	5,731	2,389	17,661
Departments:										
Department of Agriculture, total	16,581	0	16,581	0	0	2,484	1,959	525	0	0
Agricultural Research Service[1]	0	0	0	0	0	4	4	0	0	0
Cooperative State Research, Education, & Extension Svc[2]	16,581	0	16,581	0	0	1,470	1,470	0	0	0
Forest Service	0	0	0	0	0	1,010	485	525	0	0
Department of Defense, total	22,456	0	4,190	17,080	1,186	16,609	2,076	890	955	12,688
Department of the Army	1,821	0	1,821	0	0	4,224	1,225	46	24	2,929
Department of the Navy	9,708	0	920	8,569	219	1,292	246	115	931	0
Department of the Air Force	6,417	0	1,194	5,223	0	0	0	0	0	0
Defense agencies, total	4,510	0	255	3,288	967	11,093	605	729	0	9,759
Advanced Rsch Projects Agency	1,702	0	0	1,566	136	6,337	0	729	0	5,608
Ballistic Missile Defense Organization	2,405	0	255	1,455	695	605	605	0	0	0
Defense Nuclear Agency	267	0	0	267	0	4,000	0	0	0	4,000
Washington Headquarters Svcs	136	0	0	0	136	151	0	0	0	151
Department of Energy	97,856	0	7,327	85,776	4,753	4,671	25	2,620	0	2,026
Dept of Health & Human Svcs, total	16,078	0	14,9[illegible]	1,106	0	0	0	0	0	0
National Institutes of Health	16,078	0	14,97[illegible]	1,106	0	0	0	0	0	0
Other agencies:										
National Aeronautics & Space Admin	65,895	12,952	289	50,490	2,164	6,831	4,396	102	136	2,197
National Science Foundation	16,210	93	9,531	4,404	2,182	4,028	386	1,594	1,298	750

[1] The Human Nutrition Information Service merged with the Agricultural Research Service on February 20, 1994.

[2] The Cooperative State Research Service merged with the Extension Service on October 19, 1994, due to a reorganization within the Department of Agriculture.

NOTES: Only the following six agencies are required to report to this section of the survey: the Departments of Agriculture, Defense, Energy, and Health and Human Services; the National Aeronautics and Space Administration; and the National Science Foundation. The applied research obligations of the six agencies included in this table represent approximately 90 percent of total Federal applied research obligations to universities and colleges in fiscal year 1994.

Data for only those agencies that had obligations in the variables represented by this in the table. For a complete list of the Federal agencies that have been included in the Federal Funds Survey, refer to appendix A.

KEY: n.e.c. = Not elsewhere classified

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1994, 1995, and 1996

Table C-77. Federal obligations for applied research performed at universities and colleges in engineering, by agency and detailed field of engineering: fiscal year 1994

[Dollars in thousands]

Page 1 of 1

Agency and subdivision	Total	Aero-nautical	Astro-nautical	Chemical	Civil	Elec-trical	Mechan-ical	Metal-lurgy and materials	Engi-neering, n.e.c.
Total, all agencies	269,555	9,592	9,407	23,365	10,495	39,004	20,694	64,291	92,707
Departments									
Department of Agriculture, total	14,768	0	0	16	0	0	0	0	14,752
Agricultural Research Service[1]	93	0	0	0	0	0	0	0	93
Cooperative State Research, Education, & Extension Svc[2]	14,347	0	0	0	0	0	0	0	14,347
Forest Service	328	0	0	16	0	0	0	0	312
Department of Defense, total	118,615	2,039	5,056	1,032	4,368	26,347	11,537	52,039	16,197
Department of the Army	12,089	661	0	293	3,050	1,745	4,083	230	2,027
Department of the Navy	22,072	559	3,493	559	1,035	7,783	4,729	3,769	145
Department of the Air Force	21,632	819	1,308	0	0	3,269	2,335	13,901	0
Defense agencies, total	62,822	0	255	180	283	13,550	390	34,139	14,025
Advanced Rsch Projects Agency	53,669	0	0	0	0	9,749	0	32,872	11,048
Ballistic Missile Defense Organization	5,668	0	255	180	0	3,676	290	1,267	0
Defense Nuclear Agency	528	0	0	0	283	125	100	0	20
Washington Headquarters Svcs	2,957	0	0	0	0	0	0	0	2,957
Department of Energy	30,644	0	0	13,346	1,597	1,361	83	691	13,566
Dept of Health & Human Svcs, total	14,818	0	0	0	0	0	0	0	14,818
National Institutes of Health	14,818	0	0	0	0	0	0	0	14,818
Other agencies									
National Aeronautics & Space Admin	37,179	7,476	4,351	344	1,044	3,731	1,919	3,378	14,936
National Science Foundation	53,531	77	0	8,627	3,486	7,565	7,155	8,183	18,438

[1] The Human Nutrition Information Service merged with the Agricultural Research Service on February 20, 1994.

[2] The Cooperative State Research Service merged with the Extension Service on October 19, 1994, due to a reorganization within the Department of Agriculture.

NOTES: Only the following six agencies are required to report to this section of the survey: the Departments of Agriculture, Defense, Energy, and Health and Human Services; the National Aeronautics and Space Administration; and the National Science Foundation. The applied research obligations of the six agencies included in this table represent approximately 90 percent of total Federal applied research obligations to universities and colleges in fiscal year 1994.

Data for only those agencies that had obligations in the variables represented by this in the table. For a complete list of the Federal agencies that have been included in the Federal Funds Survey, refer to appendix A.

KEY: n.e.c. = Not elsewhere classified

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1994, 1995, and 1996

Table C-78. Federal obligations for applied research performed at universities and colleges in mathematics and computer sciences and in social sciences, by agency and detailed field of science: fiscal year 1994

[Dollars in thousands]

Page 1 of 1

Agency and subdivision	Mathematics and computer sciences				Social sciences					
	Total	Mathematics	Computer sciences	Mathematics and computer sciences n.e.c.	Total	Anthropology	Economics	Political science	Sociology	Social sciences, n.e.c.
Total, all agencies	189.814	10.019	168.493	11.302	104.136	759	35.498	442	20,240	47.197
Departments:										
Department of Agriculture, total	1.348	334	1.014	0	39.354	0	33.090	0	6,264	0
Agricultural Cooperative Service	0	0	0	0	272	0	272	0	0	0
Agricultural Research Service[1]	1.014	0	1.014	0	0	0	0	0	0	0
Cooperative State Research, Education, & Extension Svc[2]	0	0	0	0	35.790	0	29.902	0	5,888	0
Economic Research Service	0	0	0	0	2.047	0	2.047	0	0	0
Forest Service	219	219	0	0	1.245	0	869	0	376	0
Nat'l Agricultural Statistics Svc	115	115	0	0	0	0	0	0	0	0
Department of Defense, total	158.425	4.865	150.510	3.050	223	0	41	0	27	155
Department of the Army	3.083	272	865	1.946	68	0	41	0	27	0
Department of the Navy	1.285	37	1.180	68	0	0	0	0	0	0
Department of the Air Force	1.381	645	736	0	0	0	0	0	0	0
Defense agencies, total	152.676	3.911	147.729	1.036	155	0	0	0	0	155
Advanced Rsch Projects Agency	151.687	3.407	147.651	629	0	0	0	0	0	0
Ballistic Missile Defense Organization	582	504	78	0	0	0	0	0	0	0
Washington Headquarters Svcs	407	0	0	407	155	0	0	0	0	155
Department of Energy	3.000	500	0	2.500	0	0	0	0	0	0
Dept of Health & Human Svcs, total	5.431	3.097	2.160	174	57.112	0	1.123	0	12,915	43,074
Administration on Aging[3]	0	0	0	0	1.192	0	0	0	0	1,192
Admin for Children & Families[3]	0	0	0	0	9.183	0	0	0	0	9,183
Agency for Health Care Policy & Research[4]	2.657	353	2.130	174	16.352	0	1.123	0	12,915	2,314
National Institutes of Health	2.774	2.744	30	0	28.127	0	0	0	0	28.127
Office of the Secretary	0	0	0	0	877	0	0	0	0	877
Social Security Administration[5]	0	0	0	0	1.381	0	0	0	0	1,381
Other agencies:										
National Aeronautics & Space Admin	7.119	0	4.941	2.178	0	0	0	0	0	0
National Science Foundation	14.491	1.223	9.868	3.400	7.447	759	1.244	442	1,034	3,968

[1] The Human Nutrition Information Service merged with the Agricultural Research Service on February 20, 1994.

[2] The Cooperative State Research Service merged with the Extension Service on October 19, 1994, due to a reorganization within the Department of Agriculture.

[3] In fiscal year 1991 Human Development Services was replaced by the Administration for Children and Families and by the Administration on Aging. Beginning in fiscal year 1992, data shown for the Administration for Children and Families are separate from obligations for the Administration on Aging.

[4] In fiscal year 1991 the Agency for Health Care Policy and Research became separate from the Office of the Assistant Secretary for Health.

[5] As of March 31, 1995, the Social Security Administration became an independent agency; it is no longer part of the Department of Health & Human Services.

NOTES: Only the following six agencies are required to report to this section of the survey: the Departments of Agriculture, Defense, Energy, and Health and Human Services; the National Aeronautics and Space Administration; and the National Science Foundation. The applied research obligations of the six agencies included in this table represent approximately 90 percent of total Federal applied research obligations to universities and colleges in fiscal year 1994.

Data for only those agencies that had obligations in the variables represented by this in the table. For a complete list of the Federal agencies that have been included in the Federal Funds Survey, refer to appendix A.

KEY: n.e.c. = Not elsewhere classified

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1994, 1995, and 1996

Table C-79. Federal obligations for research and development and for R&D plant, by State: fiscal year 1994

[Dollars in thousands]

Page 1 of 1

State	Research, development, and R&D plant	Research and development	R&D plant
Total	67,994,955	65,842,907	2,152,048
Alabama	1,912,434	1,818,354	94,080
Alaska	245,332	157,317	88,015
Arizona	815,924	795,129	20,795
Arkansas	92,735	88,868	3,867
California	11,489,401	11,279,888	209,513
Colorado	1,390,276	1,353,410	36,866
Connecticut	737,270	733,512	3,758
Delaware	51,501	50,441	1,060
District of Columbia	2,485,942	2,474,777	11,165
Florida	3,007,987	2,906,333	101,654
Georgia	5,549,634	5,544,354	5,280
Hawaii	154,604	140,305	14,299
Idaho	240,234	227,773	12,461
Illinois	1,288,462	1,079,973	208,489
Indiana	407,697	403,611	4,086
Iowa	233,948	223,823	10,125
Kansas	95,407	84,823	10,584
Kentucky	92,489	88,635	3,854
Louisiana	226,033	205,055	20,978
Maine	82,741	80,852	1,889
Maryland	6,849,156	6,652,978	196,178
Massachusetts	3,249,852	3,234,051	15,801
Michigan	774,754	770,231	4,523
Minnesota	476,542	474,372	2,170
Mississippi	287,618	255,734	31,884
Missouri	2,276,416	2,271,683	4,733
Montana	60,068	56,420	3,648
Nebraska	86,172	85,176	996
Nevada	374,517	347,665	26,852
New Hampshire	219,151	218,891	260
New Jersey	1,437,244	1,391,942	45,302
New Mexico	2,046,719	1,894,083	152,636
New York	2,881,805	2,698,717	183,088
North Carolina	774,308	734,323	39,985
North Dakota	55,375	49,580	5,795
Ohio	1,858,512	1,734,371	124,141
Oklahoma	143,383	141,471	1,912
Oregon	285,616	279,164	6,452
Pennsylvania	2,045,489	1,980,531	64,958
Rhode Island	434,064	433,488	576
South Carolina	213,281	198,537	14,744
South Dakota	32,119	26,481	5,638
Tennessee	753,068	675,621	77,447
Texas	3,714,951	3,658,329	56,622
Utah	332,385	325,650	6,735
Vermont	48,506	47,880	626
Virginia	3,856,332	3,729,683	126,649
Washington	1,021,669	950,186	71,483
West Virginia	217,651	212,864	4,787
Wisconsin	359,269	349,627	9,642
Wyoming	38,424	36,576	1,848
Outlying areas	166,778	166,315	463
Puerto Rico	50,948	50,502	446
Other areas	115,830	115,813	17
Offices abroad	23,710	23,054	656

NOTE: Only the following 10 agencies are required to report to this section of the survey: the Departments of Agriculture, Commerce, Defense, Energy, Interior, Transportation, and Health and Human Services; the Environmental Protection Agency; the National Aeronautics and Space Administration; and the National Science Foundation. The obligations of the 10 major R&D supporting agencies included in this table represent approximately 98 percent of total Federal R&D and R&D plant obligations in fiscal year 1994.

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1994, 1995, and 1996

Table C-80. Federal obligations for research and development, by State and performer: fiscal year 1994

[Dollars in thousands]

Page 1 of 1

State (in order of total Federal research & development obligations)	Total	Intramural [1]	Extramural						
			Industrial firms	FFRDCs admin by industrial firms	Universities and colleges	FFRDCs admin by univs and colleges	Other nonprofit institutions	FFRDCs admin by nonprofit institutions	State and local govts
Total	65,842,907	15,516,326	30,396,116	1,260,606	11,675,862	3,278,867	2,695,047	726,128	293,955
California	11,279,888	1,400,726	6,046,504	10,736	1,659,223	1,606,176	354,290	174,668	27,565
Maryland	6,652,978	4,163,166	1,600,112	127,301	605,589	0	149,899	3,164	3,747
Georgia	5,544,354	222,335	5,048,945	0	238,575	0	30,610	0	3,889
Virginia	3,729,683	1,381,817	1,875,922	0	195,799	44,597	56,060	171,222	4,266
Texas	3,658,329	564,827	2,282,216	0	635,598	0	166,564	332	8,792
Massachusetts	3,234,051	341,397	1,226,730	0	825,912	137,609	548,924	140,090	13,389
Florida	2,906,333	585,886	2,047,291	0	263,964	0	4,421	0	4,771
New York	2,698,717	151,024	1,027,741	0	1,046,333	197,809	195,939	0	79,871
District of Columbia	2,474,777	1,677,506	350,316	0	157,675	0	285,509	0	3,771
Missouri	2,271,683	58,262	1,971,805	0	220,545	0	17,416	0	3,655
Pennsylvania	1,980,531	332,027	721,534	0	712,513	26,201	182,499	0	5,757
New Mexico	1,894,083	381,366	158,263	707,417	83,308	548,629	5,688	7,341	2,071
Alabama	1,818,354	775,544	833,531	0	181,735	0	23,463	0	4,081
Ohio	1,734,371	585,982	732,833	0	333,732	0	77,365	0	4,459
New Jersey	1,391,942	438,937	632,130	0	200,007	102,134	14,020	0	4,714
Colorado	1,353,410	196,169	726,547	0	232,097	59,527	48,304	85,019	5,747
Illinois	1,079,973	85,416	85,475	0	423,291	436,956	42,810	0	6,025
Washington	950,186	149,445	252,012	0	306,621	0	91,598	144,292	6,218
Arizona	795,129	165,033	423,935	0	165,392	28,271	9,555	0	2,943
Michigan	770,231	99,972	227,762	0	392,223	0	45,675	0	4,599
North Carolina	734,323	112,716	113,980	0	448,777	0	45,822	0	13,028
Connecticut	733,512	43,055	429,026	0	238,359	0	17,587	0	5,485
Tennessee	675,621	93,026	80,219	282,189	164,428	23,914	29,279	0	2,566
Minnesota	474,372	40,620	183,537	0	171,224	0	73,128	0	5,863
Rhode Island	433,488	238,837	116,114	0	57,866	0	18,668	0	2,003
Indiana	403,611	96,071	122,674	0	176,141	0	5,816	0	2,909
Wisconsin	349,627	40,576	37,116	0	252,386	0	16,010	0	3,539
Nevada	347,665	51,140	270,869	0	22,616	0	1,295	0	1,745
Utah	325,650	95,844	96,878	0	125,920	0	5,630	0	1,378
Oregon	279,164	60,178	44,341	0	132,350	0	34,824	0	7,471
Mississippi	255,734	124,493	81,135	0	41,411	0	4,974	0	3,721
Idaho	227,773	29,373	105,070	73,879	17,980	0	323	0	1,148
Iowa	223,823	37,592	18,758	0	134,507	27,791	2,527	0	2,648
New Hampshire	218,891	32,599	116,029	0	67,885	0	1,769	0	609
West Virginia	212,864	95,891	43,555	0	31,741	29,218	10,099	0	2,360
Louisiana	205,055	49,604	40,037	0	111,073	0	1,976	0	2,365
South Carolina	198,537	35,613	24,594	59,084	69,383	0	6,528	0	3,335
Alaska	157,317	64,966	47,962	0	42,593	0	199	0	1,597
Oklahoma	141,471	53,850	36,364	0	41,567	0	8,005	0	1,685
Hawaii	140,305	61,156	11,210	0	55,606	0	11,375	0	958
Arkansas	88,868	44,675	2,811	0	36,482	0	3,572	0	1,328
Kentucky	88,635	8,049	14,159	0	63,939	0	262	0	2,226
Nebraska	85,176	27,942	6,440	0	42,931	0	5,788	0	2,075
Kansas	84,823	15,157	11,173	0	55,119	0	1,095	0	2,279
Maine	80,852	3,882	36,902	0	15,747	0	21,768	0	2,553
Montana	56,420	28,782	3,873	0	21,368	0	1,018	0	1,379
Delaware	50,441	9,326	9,532	0	27,036	0	4,019	0	528
North Dakota	49,580	25,504	597	0	21,109	0	1,270	0	1,100
Vermont	47,880	3,379	6,955	0	33,727	0	3,274	0	545
Wyoming	36,576	8,366	9,754	0	12,535	0	5,036	0	885
South Dakota	26,481	10,979	2,710	0	9,893	0	1,346	0	1,553
Outlying areas	166,315	94,894	61	0	51,535	10,035	100	0	9,690
Puerto Rico	50,502	7,216	0	0	30,616	10,035	100	0	2,535
Other areas	115,813	87,678	61	0	20,919	0	0	0	7,155
Offices abroad	23,054	21,354	77	0	496	0	56	0	1,071

[1] Includes costs associated with the administration of intramural and extramural programs by Federal personnel as well as actual intramural performance

NOTE: Only the following 10 agencies are required to report to this section of the survey: the Departments of Agriculture, Commerce, Defense, Energy, Interior, Transportation, and Health and Human Services; the Environmental Protection Agency; the National Aeronautics and Space Administration; and the National Science Foundation. The obligations of the 10 major R&D supporting agencies included in this table represent approximately 98 percent of total Federal R&D obligations in fiscal year 1994.

KEY: FFRDCs = Federally funded research and development centers

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1994, 1995, and 1996

Table C-80a. Percentage distribution of Federal obligations for research and development to each performer, by State: fiscal year 1994

Page 1 of 1

State (in order of total Federal research & development obligations)	Total	Intramural[1]	Extramural						
			Industrial firms	FFRDCs admin by industrial firms	Universities and colleges	FFRDCs admin by univs and colleges	Other nonprofit institutions	FFRDCs admin by nonprofit institutions	State and local govts
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
California	17.1	9.0	19.9	9	14.2	49.0	13.1	24.1	9.4
Maryland	10.1	26.8	5.3	10.1	5.2	0	5.6	4	1.3
Georgia	8.4	1.4	16.6	0	2.0	0	1.1	0	1.3
Virginia	5.7	8.9	6.2	0	1.7	1.4	2.1	23.6	1.5
Texas	5.6	3.6	7.5	0	5.4	0	6.2	*	3.0
Massachusetts	4.9	2.2	4.0	0	7.1	4.2	20.4	19.3	4.6
Florida	4.4	3.8	6.7	0	2.3	0	2	0	1.6
New York	4.1	1.0	3.4	0	9.0	6.0	7.3	0	27.2
District of Columbia	3.8	10.8	1.2	0	1.4	0	10.6	0	1.3
Missouri	3.5	4	6.5	0	1.9	0	6	0	1.2
Pennsylvania	3.0	2.1	2.4	0	6.1	8	6.8	0	2.0
New Mexico	2.9	2.5	5	56.1	7	16.7	2	1.0	7
Alabama	2.8	5.0	2.7	0	1.6	0	9	0	1.4
Ohio	2.6	3.8	2.4	0	2.9	0	2.9	0	1.5
New Jersey	2.1	2.8	2.1	0	1.7	3.1	5	0	1.6
Colorado	2.1	1.3	2.4	0	2.0	1.8	1.8	11.7	2.0
Illinois	1.6	6	3	0	3.6	13.3	1.6	0	2.0
Washington	1.4	1.0	8	0	2.6	0	3.4	19.9	2.1
Arizona	1.2	1.1	1.4	0	1.4	9	4	0	1.0
Michigan	1.2	6	7	0	3.4	0	1.7	0	1.6
North Carolina	1.1	7	4	0	3.8	0	1.7	0	4.4
Connecticut	1.1	3	1.4	0	2.0	0	7	0	1.9
Tennessee	1.0	6	3	22.4	1.4	7	1.1	0	9
Minnesota	7	3	6	0	1.5	0	2.7	0	2.0
Rhode Island	7	1.5	4	0	5	0	7	0	7
Indiana	6	6	4	0	1.5	0	2	0	1.0
Wisconsin	5	3	1	0	2.2	0	6	0	1.2
Nevada	5	3	9	0	2	0	*	0	6
Utah	5	6	3	0	1.1	0	2	0	5
Oregon	4	4	1	0	1.1	0	1.3	0	2.5
Mississippi	4	8	3	0	4	0	2	0	1.3
Idaho	3	2	3	5.9	2	0	*	0	4
Iowa	3	2	1	0	1.2	8	1	0	9
New Hampshire	3	2	4	0	6	0	1	0	2
West Virginia	3	6	1	0	3	9	4	0	8
Louisiana	3	3	1	0	1.0	0	1	0	8
South Carolina	3	2	1	4.7	6	0	2	0	1.1
Alaska	2	4	2	0	4	0	*	0	5
Oklahoma	2	3	1	0	4	0	3	0	6
Hawaii	2	4	*	0	5	0	4	0	3
Arkansas	1	3	*	0	3	0	1	0	5
Kentucky	1	1	*	0	5	0	*	0	8
Nebraska	1	2	*	0	4	0	2	0	7
Kansas	1	1	*	0	5	0	*	0	8
Maine	1	*	1	0	1	0	8	0	9
Montana	1	2	*	0	2	0	*	0	5
Delaware	1	1	*	0	2	0	1	0	2
North Dakota	1	2	*	0	2	0	*	0	4
Vermont	1	*	*	0	3	0	1	0	2
Wyoming	1	1	*	0	1	0	2	0	3
South Dakota	*	1	*	0	1	0	*	0	5
Outlying areas	3	6	*	0	4	3	*	0	3.3
Puerto Rico	1	*	0	0	3	3	*	0	9
Other areas	2	6	*	0	2	0	0	0	2.4
Offices abroad	*	1	*	0	*	0	*	0	4

[1] Includes costs associated with the administration of intramural and extramural programs by Federal personnel as well as actual intramural performance

NOTE: Only the following 10 agencies are required to report to this section of the survey: the Departments of Agriculture, Commerce, Defense, Energy, Interior, Transportation, and Health and Human Services; the Environmental Protection Agency; the National Aeronautics and Space Administration; and the National Science Foundation. The obligations of the 10 major R&D supporting agencies included in this table represent approximately 98 percent of total Federal R&D obligations in fiscal year 1994.

KEY:
* = Percentage less than .05%
FFRDCs = Federally funded research and development centers

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1994, 1995, and 1996

Table C-80b. Percentage distribution of Federal obligations for research and development to each State, by performer: fiscal year 1994

Page 1 of 1

State (in order of total Federal research & development obligations)	Total	Intra-mural [1]	Extramural						
			Industrial firms	FFRDCs admin by industrial firms	Univer-sities and colleges	FFRDCs admin by univs and colleges	Other non-profit institu-tions	FFRDCs admin by nonprofit institu-tions	State and local govts
Total	100.0	23.6	46.2	1.9	17.7	5.0	4.1	1.1	0.4
California	100.0	12.4	53.6	.1	14.7	14.2	3.1	1.5	.2
Maryland	100.0	62.6	24.1	1.9	9.1	0	2.3	*	.1
Georgia	100.0	4.0	91.1	0	4.3	0	.6	0	.1
Virginia	100.0	37.0	50.3	0	5.2	1.2	1.5	4.6	.1
Texas	100.0	15.4	62.4	0	17.4	0	4.6	*	.2
Massachusetts	100.0	10.6	37.9	0	25.5	4.3	17.0	4.3	.4
Florida	100.0	20.2	70.4	0	9.1	0	.2	0	.2
New York	100.0	5.6	38.1	0	38.8	7.3	7.3	0	3.0
District of Columbia	100.0	67.8	14.2	0	6.4	0	11.5	0	.2
Missouri	100.0	2.6	86.8	0	9.7	0	.8	0	.2
Pennsylvania	100.0	16.8	36.4	0	36.0	1.3	9.2	0	.3
New Mexico	100.0	20.1	8.4	37.3	4.4	29.0	.3	.4	.1
Alabama	100.0	42.7	45.8	0	10.0	0	1.3	0	.2
Ohio	100.0	33.8	42.3	0	19.2	0	4.5	0	.3
New Jersey	100.0	31.5	45.4	0	14.4	7.3	1.0	0	.3
Colorado	100.0	14.5	53.7	0	17.1	4.4	3.6	6.3	.4
Illinois	100.0	7.9	7.9	0	39.2	40.5	4.0	0	.6
Washington	100.0	15.7	26.5	0	32.3	0	9.6	15.2	.7
Arizona	100.0	20.8	53.3	0	20.8	3.6	1.2	0	.4
Michigan	100.0	13.0	29.6	0	50.9	0	5.9	0	.6
North Carolina	100.0	15.3	15.5	0	61.1	0	6.2	0	1.8
Connecticut	100.0	5.9	58.5	0	32.5	0	2.4	0	.7
Tennessee	100.0	13.8	11.9	41.8	24.3	3.5	4.3	0	.4
Minnesota	100.0	8.6	38.7	0	36.1	0	15.4	0	1.2
Rhode Island	100.0	55.1	26.8	0	13.3	0	4.3	0	.5
Indiana	100.0	23.8	30.4	0	43.6	0	1.4	0	.7
Wisconsin	100.0	11.6	10.6	0	72.2	0	4.6	0	1.0
Nevada	100.0	14.7	77.9	0	6.5	0	.4	0	.5
Utah	100.0	29.4	29.7	0	38.7	0	1.7	0	.4
Oregon	100.0	21.6	15.9	0	47.4	0	12.5	0	2.7
Mississippi	100.0	48.7	31.7	0	16.2	0	1.9	0	1.5
Idaho	100.0	12.9	46.1	32.4	7.9	0	.1	0	.5
Iowa	100.0	16.8	8.4	0	60.1	12.4	1.1	0	1.2
New Hampshire	100.0	14.9	53.0	0	31.0	0	.8	0	.3
West Virginia	100.0	45.0	20.5	0	14.9	13.7	4.7	0	1.1
Louisiana	100.0	24.2	19.5	0	54.2	0	1.0	0	1.2
South Carolina	100.0	17.9	12.4	29.8	34.9	0	3.3	0	1.7
Alaska	100.0	41.3	30.5	0	27.1	0	.1	0	1.0
Oklahoma	100.0	38.1	25.7	0	29.4	0	5.7	0	1.2
Hawaii	100.0	43.6	8.0	0	39.6	0	8.1	0	.7
Arkansas	100.0	50.3	3.2	0	41.1	0	4.0	0	1.5
Kentucky	100.0	9.1	16.0	0	72.1	0	.3	0	2.5
Nebraska	100.0	32.8	7.6	0	50.4	0	6.8	0	2.4
Kansas	100.0	17.9	13.2	0	65.0	0	1.3	0	2.7
Maine	100.0	4.8	45.6	0	19.5	0	26.9	0	3.2
Montana	100.0	51.0	6.9	0	37.9	0	1.8	0	2.4
Delaware	100.0	18.5	18.9	0	53.6	0	8.0	0	1.0
North Dakota	100.0	51.4	1.2	0	42.6	0	2.6	0	2.2
Vermont	100.0	7.1	14.5	0	70.4	0	6.8	0	1.1
Wyoming	100.0	22.9	26.7	0	34.3	0	13.8	0	2.4
South Dakota	100.0	41.5	10.2	0	37.4	0	5.1	0	5.9
Outlying areas	100.0	57.1	*	0	31.0	6.0	.1	0	5.8
Puerto Rico	100.0	14.3	0	0	60.6	19.9	.2	0	5.0
Other areas	100.0	75.7	.1	0	18.1	0	0	0	6.2
Offices abroad	100.0	92.6	.3	0	2.2	0	.2	0	4.6

[1] Includes costs associated with the administration of intramural and extramural programs by Federal personnel as well as actual intramural performance

NOTE: Only the following 10 agencies are required to report to this section of the survey: the Departments of Agriculture, Commerce, Defense, Energy, Interior, Transportation, and Health and Human Services; the Environmental Protection Agency; the National Aeronautics and Space Administration; and the National Science Foundation. The obligations of the 10 major R&D supporting agencies included in this table represent approximately 98 percent of total Federal R&D obligations in fiscal year 1994.

KEY: * = Percentage less than .05%
FFRDCs = Federally funded research and development centers

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1994, 1995, and 1996

Table C-81. Federal obligations for research and development, by State and agency: fiscal year 1994

[Dollars in thousands]

Page 1 of 1

State (in order of total Federal research & development obligations)	Total	Dept of Agriculture	Dept of Commerce	Dept of Defense[1]	Dept of Energy	Dept of Health & Human Services	Dept of the Interior	Dept of Transportation	EPA	NASA	National Science Foundation
Total	65.842.907	1.395.314	825.767	34.454.527	6.038.299	10.969.931	692.903	618.977	553.498	8.258.620	2.035.071
California	11.279.888	79.673	36.871	6.597.594	1.012.937	1.210.119	49.720	31.395	15.035	1.962.011	284.533
Maryland	6.652.978	114.075	277.022	2.549.193	79.783	2.530.756	18.359	38.809	8.617	985.029	51.335
Georgia	5.544.354	51.741	2.153	5.122.137	17.227	261.755	6.441	14.913	17.638	25.169	25.180
Virginia	3.729.683	11.419	32.506	2.635.027	76.133	149.767	56.036	52.670	37.979	635.300	42.846
Texas	3.658.329	64.403	6.345	1.429.954	38.831	438.983	7.569	10.347	14.021	1.575.589	72.287
Massachusetts	3.234.051	21.664	38.499	1.819.521	88.862	901.577	6.471	41.788	19.823	126.941	168.905
Florida	2.906.333	34.000	40.022	2.122.465	71.844	128.971	11.898	6.058	12.277	429.133	49.665
New York	2.698.717	32.753	7.220	889.190	569.090	934.914	6.396	12.594	5.879	44.276	196.405
District of Columbia	2.474.777	163.363	8.896	954.963	325.620	216.072	25.740	133.055	155.680	420.810	70.578
Missouri	2.271.683	19.067	426	2.010.504	5.513	191.928	15.262	2.506	1.723	8.946	15.808
Pennsylvania	1.980.531	40.272	4.583	867.248	347.614	526.645	35.801	13.025	2.671	36.292	106.380
New Mexico	1.894.083	6.587	30	603.738	1.178.992	36.718	5.616	5.664	857	45.072	10.809
Alabama	1.818.354	16.133	1.034	844.263	19.575	132.044	8.837	3.416	5.810	776.532	10.710
Ohio	1.734.371	16.521	2.906	814.577	25.550	259.485	3.801	11.456	47.838	516.892	35.345
New Jersey	1.391.942	6.999	23.470	844.521	127.413	103.296	4.351	85.443	2.381	149.077	44.991
Colorado	1.353.410	30.478	82.540	687.688	128.956	163.720	53.753	8.410	1.707	92.923	103.235
Illinois	1.079.973	44.950	4.203	159.694	467.668	255.716	2.933	9.295	1.796	13.292	120.426
Washington	950.186	35.783	59.818	274.002	167.743	290.859	22.731	3.110	858	48.929	46.353
Arizona	795.129	20.065	1.064	559.383	5.854	72.564	11.268	2.855	729	66.234	55.113
Michigan	770.231	22.977	19.905	339.519	14.234	257.662	7.262	4.803	12.541	23.419	67.909
North Carolina	734.323	34.665	13.907	133.173	13.107	359.925	3.662	4.648	117.578	10.462	43.196
Connecticut	733.512	5.681	3.134	398.476	54.557	207.362	1.436	16.681	1.716	25.256	19.213
Tennessee	675.621	10.162	1.161	122.233	348.549	139.541	3.438	9.512	1.056	28.528	11.441
Minnesota	474.372	24.263	2.727	184.886	6.867	187.722	17.664	5.284	10.376	4.152	30.431
Rhode Island	433.488	2.159	2.710	357.060	2.518	38.774	1.700	1.046	7.247	3.589	16.685
Indiana	403.611	15.809	189	222.148	17.105	88.241	2.712	2.219	1.088	10.006	44.094
Wisconsin	349.627	37.024	2.177	39.923	21.328	152.319	14.505	3.506	1.748	37.090	40.007
Nevada	347.665	3.133	580	33.347	263.080	7.828	17.984	3.975	10.219	652	6.867
Utah	325.650	14.142	1.716	178.524	9.662	62.116	12.779	14.452	0	13.448	18.811
Oregon	279.164	35.229	15.004	38.068	15.021	95.614	22.072	4.378	11.801	14.522	27.455
Mississippi	255.734	49.570	56.948	82.538	3.673	14.060	2.959	2.009	538	38.281	5.158
Idaho	227.773	18.141	507	12.186	171.393	1.780	12.232	5.774	585	393	4.782
Iowa	223.823	40.127	2.496	33.186	31.992	85.090	2.528	7.206	1.259	5.903	14.036
New Hampshire	218.891	5.000	742	148.698	1.502	35.335	1.318	1.856	333	14.146	9.961
West Virginia	212.864	20.189	0	14.528	93.528	21.639	8.952	2.345	308	19.034	32.341
Louisiana	205.055	33.856	2.365	62.754	6.487	60.718	17.792	1.470	2.409	5.856	11.348
South Carolina	198.537	16.131	8.848	45.312	79.044	33.470	2.827	1.180	521	1.927	9.277
Alaska	157.317	7.768	32.457	15.626	47.178	2.911	26.240	1.145	0	12.664	11.328
Oklahoma	141.471	16.702	6.423	30.727	25.428	25.327	2.827	18.090	4.403	875	10.669
Hawaii	140.305	20.612	13.138	47.042	2.706	24.277	10.920	752	0	6.987	13.871
Arkansas	88.868	15.434	0	5.248	304	55.186	5.194	1.252	1.180	1.224	3.836
Kentucky	88.635	11.263	68	7.561	18.490	39.287	2.354	1.240	526	1.479	6.367
Nebraska	85.176	26.382	114	19.504	1.364	25.483	3.640	733	45	1.656	6.255
Kansas	84.823	13.341	38	14.972	4.205	31.500	3.353	1.942	4.351	2.595	8.526
Maine	80.852	5.863	3.297	31.283	7.701	22.315	1.558	656	1.757	937	5.485
Montana	56.420	14.687	400	1.264	3.789	19.386	5.546	874	134	1.722	8.618
Delaware	50.441	3.810	3.307	16.446	1.586	6.871	759	5.103	1.242	2.954	8.363
North Dakota	49.580	25.753	387	1.725	6.145	4.485	5.973	531	2.497	318	1.766
Vermont	47.880	5.625	18	6.260	544	29.267	1.789	370	204	347	3.456
Wyoming	36.576	6.954	0	2.336	9.866	1.192	4.384	5.832	40	960	5.012
South Dakota	26.481	5.754	0	601	25	4.658	6.138	619	99	5.485	3.102
Outlying areas	166.315	13.307	1.396	3.821	68	22.645	105.423	551	2.378	2.225	14.501
Puerto Rico	50.502	9.608	446	1.393	68	21.632	2.039	551	395	0	14.370
Other areas	115.813	3.699	950	2.428	0	1.013	103.384	0	1.983	2.225	131
Offices abroad	23.054	3.855	0	17.890	48	56	0	134	0	1.071	0

[1] Beginning with Vol. 40, Department of Defense (DoD) research is reported separately from DoD development. DoD states that more than 90 percent of its development reported for "universities and colleges" is performed at off-campus, university-affiliated laboratories that are not involved in teaching.

NOTE: Only the following 10 agencies are required to report to this section of the survey: the Departments of Agriculture, Commerce, Defense, Energy, Interior, Transportation, and Health and Human Services; the Environmental Protection Agency; the National Aeronautics and Space Administration; and the National Science Foundation. The obligations of the 10 major R&D supporting agencies included in this table represent approximately 98 percent of total Federal R&D obligations in fiscal year 1994.

KEY:
EPA = Environmental Protection Agency
NASA = National Aeronautics & Space Administration

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1994, 1995, and 1996

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Table C-81a. Percentage distribution of Federal obligations for research and development of each agency, by State: fiscal year 1994

Page 1 of 1

State (in order of total Federal research & development obligations)	Total	Dept of Agriculture	Dept of Commerce	Dept of Defense[1]	Dept of Energy	Dept of Health & Human Services	Dept of the Interior	Dept of Transportation	EPA	NASA	National Science Foundation
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
California	17.1	5.7	4.5	19.1	16.8	11.0	7.2	5.1	2.7	23.8	14.0
Maryland	10.1	8.2	33.5	7.4	1.3	23.1	2.6	6.3	1.6	11.9	2.5
Georgia	8.4	3.7	.3	14.9	.3	2.4	.9	2.4	3.2	.3	1.2
Virginia	5.7	.8	3.9	7.6	1.3	1.4	8.1	8.5	6.9	7.7	2.1
Texas	5.6	4.6	.8	4.2	.6	4.0	1.1	1.7	2.5	19.1	3.6
Massachusetts	4.9	1.6	4.7	5.3	1.5	8.2	.9	6.8	3.6	1.5	8.3
Florida	4.4	2.4	4.8	6.2	1.2	1.2	1.7	1.0	2.2	5.2	2.4
New York	4.1	2.3	.9	2.6	9.4	8.5	.9	2.0	1.1	.5	9.7
District of Columbia	3.8	11.7	1.1	2.8	5.4	2.0	3.7	21.5	28.1	5.1	3.5
Missouri	3.5	1.4	.1	5.8	.1	1.7	2.2	.4	.3	.1	.8
Pennsylvania	3.0	2.9	.6	2.5	5.8	4.8	5.2	2.1	.5	.4	5.2
New Mexico	2.9	.5	*	1.8	19.5	.3	.8	.9	.2	.5	.5
Alabama	2.8	1.2	.1	2.5	.3	1.2	1.3	.6	1.0	9.4	.5
Ohio	2.6	1.2	.4	2.4	.4	2.4	.5	1.9	8.6	6.3	1.7
New Jersey	2.1	.5	2.8	2.5	2.1	.9	.6	13.8	.4	1.8	2.2
Colorado	2.1	2.2	10.0	2.0	2.1	1.5	7.8	1.4	.3	1.1	5.1
Illinois	1.6	3.2	.5	.5	7.7	2.3	.4	1.5	.3	.2	5.9
Washington	1.4	2.6	7.2	.8	2.8	2.7	3.3	.5	.2	.6	2.3
Arizona	1.2	1.4	.1	1.6	.1	.7	1.6	.5	.1	.8	2.7
Michigan	1.2	1.6	2.4	1.0	.2	2.3	1.0	.8	2.3	.3	3.3
North Carolina	1.1	2.5	1.7	.4	.2	3.3	.5	.8	21.2	.1	2.1
Connecticut	1.1	.4	.4	1.2	.9	1.9	.2	2.7	.3	.3	.9
Tennessee	1.0	.7	.1	.4	5.8	1.3	.5	1.5	.2	.3	.6
Minnesota	.7	1.7	.3	.5	.1	1.7	2.5	.9	1.9	.1	1.5
Rhode Island	.7	.2	.3	1.0	*	.4	.2	.2	1.3	*	.8
Indiana	.6	1.1	*	.6	.3	.8	.4	.4	.2	.1	2.2
Wisconsin	.5	2.7	.3	.1	.4	1.4	2.1	.6	.3	.4	2.0
Nevada	.5	.2	.1	.1	4.4	.1	2.6	.6	1.8	*	.3
Utah	.5	1.0	.2	.5	.2	.6	1.8	2.3	0	.2	.9
Oregon	.4	2.5	1.8	.1	.2	.9	3.2	.7	2.1	.2	1.3
Mississippi	.4	3.8	6.9	.2	.1	.1	.4	.3	.1	.5	.3
Idaho	.3	1.3	.1	*	2.8	*	1.8	.9	.1	*	.2
Iowa	.3	2.8	.3	.1	.5	.8	.4	1.2	.2	.1	.7
New Hampshire	.3	.4	.1	.4	*	.3	.2	.3	.1	.2	.5
West Virginia	.3	1.4	.0	*	1.5	.2	1.3	.4	.1	.2	1.6
Louisiana	.3	2.4	.3	.2	.1	.6	2.6	.2	.4	.1	.6
South Carolina	.3	1.2	1.1	.1	1.3	.3	.4	.2	.1	*	.5
Alaska	.2	.6	3.9	*	.8	*	3.8	.2	0	.2	.6
Oklahoma	.2	1.2	.8	.1	.4	.2	.4	2.9	.8	*	.5
Hawaii	.2	1.5	1.6	.1	*	.2	1.6	.1	0	.1	.7
Arkansas	.1	1.1	0	*	*	.5	.7	.2	.2	*	.2
Kentucky	.1	.8	*	*	.3	.4	.3	.2	.1	*	.3
Nebraska	.1	1.9	*	.1	*	.2	.5	.1	*	*	.3
Kansas	.1	1.0	*	*	.1	.3	.5	.3	.8	*	.4
Maine	.1	.4	.4	.1	.1	.2	.2	.1	.3	*	.3
Montana	.1	1.1	*	*	.1	.2	.8	.1	*	*	.4
Delaware	.1	.3	.4	*	*	.1	.1	.8	.2	*	.4
North Dakota	.1	1.8	*	*	.1	*	.9	.1	.5	*	.1
Vermont	.1	.4	*	*	*	.3	.3	.1	*	*	.2
Wyoming	.1	.5	0	*	.2	*	.6	.9	*	*	.2
South Dakota	*	.4	0	*	*	*	.9	.1	*	.1	.2
Outlying areas	.3	1.0	.2	*	*	.2	15.2	.1	.4	*	.7
Puerto Rico	.1	.7	.1	*	*	.2	.3	.1	.1	0	.7
Other areas	.2	.3	.1	*	.0	*	14.9	0	.4	*	*
Offices abroad	*	.3	0	.1	*	*	0	*	0	*	0

[1] Beginning with Vol. 40, Department of Defense (DoD) research is reported separately from DoD development. DoD states that more than 90 percent of its development reported for "universities and colleges" is performed at off-campus, university-affiliated laboratories that are not involved in teaching.

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KEY:

* = Percentage less than .05%
NASA = National Aeronautics & Space Administration
EPA = Environmental Protection Agency

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1994, 1995, and 1996

Table C-81b. Percentage distribution of Federal obligations for research and development of each State, by agency: fiscal year 1994

Page 1 of 1

State (in order of total Federal research & development obligations)	Total	Dept of Agriculture	Dept of Commerce	Dept of Defense[1]	Dept of Energy	Dept of Health & Human Services	Dept of the Interior	Dept of Transportation	EPA	NASA	National Science Foundation
Total	100.0	2.1	1.3	52.3	9.2	16.7	1.1	0.9	0.8	12.5	3.1
California	100.0	.7	.3	58.5	9.0	10.7	.4	.3	.1	17.4	2.5
Maryland	100.0	1.7	4.2	38.3	1.2	38.0	.3	.6	.1	14.8	.8
Georgia	100.0	.9	*	92.4	.3	4.7	.1	.3	.3	.5	.5
Virginia	100.0	.3	.9	70.7	2.0	4.0	1.5	1.4	1.0	17.0	1.1
Texas	100.0	1.8	.2	39.1	1.1	12.0	.2	.3	.4	43.1	2.0
Massachusetts	100.0	.7	1.2	56.3	2.7	27.9	.2	1.3	.6	3.9	5.2
Florida	100.0	1.2	1.4	73.0	2.5	4.4	.4	.2	.4	14.8	1.7
New York	100.0	1.2	.3	32.9	21.1	34.6	.2	.5	.2	1.6	7.3
District of Columbia	100.0	6.6	.4	38.6	13.2	8.7	1.0	5.4	6.3	17.0	2.9
Missouri	100.0	.8	*	88.5	.2	8.4	.7	.1	.1	.4	.7
Pennsylvania	100.0	2.0	.2	43.8	17.6	26.6	1.8	.7	.1	1.8	5.4
New Mexico	100.0	.3	*	31.9	62.2	1.9	.3	.3	*	2.4	.6
Alabama	100.0	.9	.1	46.4	1.1	7.3	.5	.2	.3	42.7	.6
Ohio	100.0	1.0	.2	47.0	1.5	15.0	.2	.7	2.8	29.8	2.0
New Jersey	100.0	.5	1.7	60.7	9.2	7.4	.3	6.1	.2	10.7	3.2
Colorado	100.0	2.3	6.1	50.8	9.5	12.1	4.0	.6	.1	6.9	7.6
Illinois	100.0	4.2	.4	14.8	43.3	23.7	.3	.9	.2	1.2	11.2
Washington	100.0	3.8	6.3	28.8	17.7	30.6	2.4	.3	.1	5.1	4.9
Arizona	100.0	2.5	.1	70.4	.7	9.1	1.4	.4	.1	8.3	6.9
Michigan	100.0	3.0	2.6	44.1	1.8	33.5	.9	.6	1.6	3.0	8.8
North Carolina	100.0	4.7	1.9	18.1	1.8	49.0	.5	.6	16.0	1.4	5.9
Connecticut	100.0	.8	.4	54.3	7.4	28.3	.2	2.3	.2	3.4	2.6
Tennessee	100.0	1.5	.2	18.1	51.6	20.7	.5	1.4	.2	4.2	1.7
Minnesota	100.0	5.1	.6	39.0	1.4	39.6	3.7	1.1	2.2	.9	6.4
Rhode Island	100.0	.5	.6	82.4	.6	8.9	.4	.2	1.7	.8	3.8
Indiana	100.0	3.9	*	55.0	4.2	21.9	.7	.5	.3	2.5	10.9
Wisconsin	100.0	10.6	.6	11.4	6.1	43.6	4.1	1.0	.5	10.6	11.4
Nevada	100.0	.9	.2	9.6	75.7	2.3	5.2	1.1	2.9	.2	2.0
Utah	100.0	4.3	.5	54.8	3.0	19.1	3.9	4.4	0	4.1	5.8
Oregon	100.0	12.6	5.4	13.6	5.4	34.3	7.9	1.6	4.2	5.2	9.8
Mississippi	100.0	19.4	22.3	32.3	1.4	5.5	1.2	.8	.2	15.0	2.0
Idaho	100.0	8.0	.2	5.4	75.2	.8	5.4	2.5	.3	.2	2.1
Iowa	100.0	17.9	1.1	14.8	14.3	38.0	1.1	3.2	.6	2.6	6.3
New Hampshire	100.0	2.3	.3	67.9	.7	16.1	.6	.8	.2	6.5	4.6
West Virginia	100.0	9.5	0	6.8	43.9	10.2	4.2	1.1	.1	8.9	15.2
Louisiana	100.0	16.5	1.2	30.6	3.2	29.6	8.7	.7	1.2	2.9	5.5
South Carolina	100.0	8.1	4.5	22.8	39.8	16.9	1.4	.6	.3	1.0	4.7
Alaska	100.0	4.9	20.6	9.9	30.0	1.9	16.7	.7	0	8.0	7.2
Oklahoma	100.0	11.8	4.5	21.7	18.0	17.9	2.0	12.8	3.1	.6	7.5
Hawaii	100.0	14.7	9.4	33.5	1.9	17.3	7.8	.5	0	5.0	9.9
Arkansas	100.0	17.4	0	5.9	.3	62.1	5.8	1.4	1.3	1.4	4.3
Kentucky	100.0	12.7	.1	8.5	20.9	44.3	2.7	1.4	.6	1.7	7.2
Nebraska	100.0	31.0	.1	22.9	1.6	29.9	4.3	.3	.1	1.9	7.3
Kansas	100.0	15.7	*	17.7	5.0	37.1	4.0	2.3	5.1	3.1	10.1
Maine	100.0	7.3	4.1	38.7	9.5	27.6	1.9	.8	2.2	1.2	6.8
Montana	100.0	26.0	.7	2.2	6.7	34.4	9.8	1.5	.2	3.1	15.3
Delaware	100.0	7.6	6.6	32.6	3.1	13.6	1.5	10.1	2.5	5.9	16.6
North Dakota	100.0	51.9	.8	3.5	12.4	9.0	12.0	1.1	5.0	.6	3.6
Vermont	100.0	11.7	*	13.1	1.1	61.1	3.7	.8	.4	.7	7.2
Wyoming	100.0	19.0	0	6.4	27.0	3.3	12.0	15.9	.1	2.6	13.7
South Dakota	100.0	21.7	0	2.3	.1	17.6	23.2	2.3	.4	20.7	11.7
Outlying areas	100.0	8.0	.8	2.3	*	13.6	63.4	.3	1.4	1.3	8.7
Puerto Rico	100.0	19.0	.9	2.8	.1	42.8	4.0	1.1	.8	0	28.5
Other areas	100.0	3.2	.8	2.1	0	.9	89.3	0	1.7	1.9	.1
Offices abroad	100.0	16.7	0	77.6	.2	.2	0	.6	0	4.6	0

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[1] Beginning with Vol. 40, Department of Defense (DoD) research is reported separately from DoD development. DoD states that more than 90 percent of its development reported for "universities and colleges" is performed at off-campus, university-affiliated laboratories that are not involved in teaching.

NOTE: Only the following 10 agencies are required to report to this section of the survey: the Departments of Agriculture, Commerce, Defense, Energy, Interior, Transportation, and Health and Human Services; the Environmental Protection Agency; the National Aeronautics and Space Administration; and the National Science Foundation. The obligations of the 10 major R&D supporting agencies included in this table represent approximately 98 percent of total Federal R&D obligations in fiscal year 1994.

KEY:

* = Percentage less than .05%
NASA = National Aeronautics & Space Administration
EPA = Environmental Protection Agency

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1994, 1995, and 1996.

Table C-82. Federal obligations for research and development, by State, agency, and performer: fiscal year 1994

[Dollars in thousands]

State and agency	Total	Intra-mural[1]	Extramural						
			Industrial firms	FFRDCs admin by industrial firms	Universities and colleges	FFRDCs admin by univs and colleges	Other nonprofit institutions	FFRDCs admin by nonprofit institutions	State and local govts
Alabama, total	1,818,354	775,544	833,531	0	181,735	0	23,463	0	4,081
Department of Agriculture	16,133	4,637	0	0	11,388	0	0	0	108
Department of Commerce	1,034	558	15	0	421	0	0	0	40
Department of Defense, research[2]	77,519	53,049	15,958	0	7,681	0	831	0	0
Department of Defense, total development[3] [4]	766,744	382,004	371,642	0	12,426	0	672	0	0
Department of Energy	19,575	0	17,000	0	2,575	0	0	0	0
Department of Health & Human Svcs	132,044	0	1,474	0	111,047	0	18,928	0	595
Department of the Interior	8,837	7,117	535	0	1,185	0	0	0	0
Department of Transportation	3,416	1,231	737	0	159	0	0	0	1,289
Environmental Protection Agency	5,810	0	3,366	0	420	0	0	0	2,024
National Aeronautics and Space Admin	776,532	326,948	422,674	0	23,973	0	2,912	0	25
National Science Foundation	10,710	0	130	0	10,460	0	120	0	0
Alaska, total	157,317	64,966	47,962	0	42,593	0	199	0	1,597
Department of Agriculture	7,768	6,026	0	0	1,742	0	0	0	0
Department of Commerce	32,457	30,353	0	0	1,962	0	0	0	142
Department of Defense, research[2]	5,040	1,629	94	0	3,317	0	0	0	0
Department of Defense, total development[3] [4]	10,586	2,808	552	0	7,226	0	0	0	0
Department of Energy	47,178	0	46,705	0	473	0	0	0	0
Department of Health & Human Svcs	2,911	605	0	0	1,747	0	199	0	360
Department of the Interior	26,240	23,545	611	0	2,084	0	0	0	0
Department of Transportation	1,145	0	0	0	50	0	0	0	1,095
National Aeronautics and Space Admin	12,664	0	0	0	12,664	0	0	0	0
National Science Foundation	11,328	0	0	0	11,328	0	0	0	0
Arizona, total	795,129	165,033	423,935	0	165,392	28,271	9,555	0	2,943
Department of Agriculture	20,065	13,830	0	0	6,235	0	0	0	0
Department of Commerce	1,064	0	5	0	470	0	0	0	589
Department of Defense, research[2]	26,354	3,306	9,904	0	13,144	0	0	0	0
Department of Defense, total development[3] [4]	533,029	133,981	397,262	0	1,786	0	0	0	0
Department of Energy	5,854	0	400	0	5,454	0	0	0	0
Department of Health & Human Svcs	72,564	1,850	2,287	0	59,661	0	7,791	0	975
Department of the Interior	11,268	8,193	1,652	0	1,273	0	0	0	150
Department of Transportation	2,855	0	517	0	1,309	0	0	0	1,029
Environmental Protection Agency	729	0	89	0	640	0	0	0	0
National Aeronautics and Space Admin	66,234	3,873	11,219	0	49,804	0	1,138	0	200
National Science Foundation	55,113	0	600	0	25,616	28,271	626	0	0
Arkansas, total	88,868	44,675	2,811	0	36,482	0	3,572	0	1,328
Department of Agriculture	15,434	4,985	15	0	10,408	0	0	0	26
Department of Defense, research[2]	1,139	0	0	0	1,139	0	0	0	0
Department of Defense, total development[3] [4]	4,109	119	482	0	3,508	0	0	0	0
Department of Energy	304	0	0	0	304	0	0	0	0
Department of Health & Human Svcs	55,186	35,548	1,141	0	16,236	0	1,798	0	463
Department of the Interior	5,194	3,721	0	0	193	0	1,280	0	0
Department of Transportation	1,252	302	91	0	20	0	0	0	839
Environmental Protection Agency	1,180	0	1,017	0	163	0	0	0	0
National Aeronautics and Space Admin	1,234	0	0	0	740	0	494	0	0
National Science Foundation	3,836	0	65	0	3,771	0	0	0	0

See explanatory information, if any, and SOURCE at end of table.

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Table C-82. Federal obligations for research and development, by State, agency, and performer: fiscal year 1994

[Dollars in thousands]

State and agency	Total	Intra-mural[1]	Extramural						
			Industrial firms	FFRDCs admin by industrial firms	Universities and colleges	FFRDCs admin by univs and colleges	Other nonprofit institutions	FFRDCs admin by non-profit institutions	State and local govts
California, total	11.279.888	1.400.726	6.046.504	10.736	1.659.223	1.606.176	354.290	174.668	27.565
Department of Agriculture	79.673	56.659	320	0	22.219	0	475	0	0
Department of Commerce	36.871	15.534	10.406	0	10.435	285	63	0	148
Department of Defense, research[2]	801.731	127.975	404.777	0	224.234	22.494	18.219	4.032	0
Department of Defense, total development[3 4]	5.795.863	1.088.790	4.440.323	0	48.620	36.983	22.562	158.585	0
Department of Energy	1.012.937	15.397	114.309	10.736	88.150	767.506	16.643	196	0
Department of Health & Human Svcs	1.210.119	1.191	41.992	0	868.164	15.158	261.351	10.221	12.042
Department of the Interior	49.720	42.174	1.224	0	5.775	140	42	0	365
Department of Transportation	31.395	7.923	7.797	0	1.345	111	800	0	13.419
Environmental Protection Agency	15.035	0	9.050	0	4.717	0	0	0	1.268
National Aeronautics and Space Admin	1.962.011	45.083	983.870	0	151.572	763.155	16.622	1.634	75
National Science Foundation	284.533	0	32.436	0	233.992	344	17.513	0	248
Colorado, total	1.353.410	196.169	726.547	0	232.097	59.527	48.304	85.019	5.747
Department of Agriculture	30.478	23.049	216	0	7.213	0	0	0	0
Department of Commerce	82.540	75.983	48	0	6.509	0	0	0	0
Department of Defense, research[2]	52.784	11.244	20.830	0	19.081	609	1.020	0	0
Department of Defense, total development[3 4]	634.904	25.584	602.354	0	2.859	0	146	3.961	0
Department of Energy	128.956	3.316	35.334	0	8.465	0	783	81.058	0
Department of Health & Human Svcs	163.720	10	1.930	0	120.932	0	36.117	0	4.731
Department of the Interior	53.753	50.895	487	0	2.039	0	332	0	0
Department of Transportation	8.410	206	2.592	0	689	0	3.907	0	1.016
Environmental Protection Agency	1.707	0	880	0	827	0	0	0	0
National Aeronautics and Space Admin	92.923	5.402	59.312	0	20.891	2.429	4.889	0	0
National Science Foundation	103.235	480	2.564	0	42.592	56.489	1.110	0	0
Connecticut, total	733.512	43.055	429.026	0	238.359	0	17.587	0	5.485
Department of Agriculture	5.681	1.980	0	0	2.604	0	0	0	1.097
Department of Commerce	3.134	0	48	0	3.030	0	0	0	56
Department of Defense, research[2]	31.518	580	15.986	0	14.952	0	0	0	0
Department of Defense, total development[3 4]	366.958	29.389	333.576	0	3.993	0	0	0	0
Department of Energy	54.557	0	45.109	0	9.448	0	0	0	0
Department of Health & Human Svcs	207.362	10	3.203	0	184.682	0	16.889	0	2.578
Department of the Interior	1.436	1.138	198	0	100	0	0	0	0
Department of Transportation	16.681	9.958	4.726	0	326	0	0	0	1.671
Environmental Protection Agency	1.716	0	1.148	0	568	0	0	0	0
National Aeronautics and Space Admin	25.256	0	23.762	0	1.402	0	92	0	0
National Science Foundation	19.213	0	1.270	0	17.254	0	606	0	83
Delaware, total	50.441	9.326	9.532	0	27.036	0	4.019	0	528
Department of Agriculture	3.810	1.583	50	0	2.177	0	0	0	0
Department of Commerce	3.307	1.112	1.186	0	964	0	0	0	45
Department of Defense, research[2]	8.476	0	2.928	0	5.548	0	0	0	0
Department of Defense, total development[3 4]	7.970	2.759	1.564	0	3.647	0	0	0	0
Department of Energy	1.586	0	283	0	937	0	366	0	0
Department of Health & Human Svcs	6.871	0	883	0	4.622	0	1.234	0	132
Department of the Interior	759	634	0	0	125	0	0	0	0
Department of Transportation	5.103	3.238	1.462	0	52	0	0	0	351
Environmental Protection Agency	1.242	0	325	0	917	0	0	0	0
National Aeronautics and Space Admin	2.954	0	786	0	646	0	1.522	0	0
National Science Foundation	8.363	0	65	0	7.401	0	897	0	0

See explanatory information, if any, and SOURCE at end of table.

Table C-82. Federal obligations for research and development, by State, agency, and performer: fiscal year 1994

[Dollars in thousands]

State and agency	Total	Intra-mural [1]	Extramural						
			Industrial firms	FFRDCs admin by industrial firms	Universities and colleges	FFRDCs admin by univs and colleges	Other nonprofit institutions	FFRDCs admin by nonprofit institutions	State and local govts
District of Columbia, total	2,474,777	1,677,506	350,316	0	157,675	0	285,509	0	3,771
Department of Agriculture	163,363	156,192	6,208	0	792	0	133	0	38
Department of Commerce	8,896	8,389	15	0	413	0	79	0	0
Department of Defense, research[2]	277,562	242,382	7,326	0	15,139	0	12,715	0	0
Department of Defense, total development[3] [4]	677,401	494,736	127,696	0	40,968	0	14,001	0	0
Department of Energy	325,620	280,999	36,856	0	2,920	0	4,845	0	0
Department of Health & Human Svcs	216,072	81,703	10,638	0	71,680	0	50,951	0	1,100
Department of the Interior	25,740	23,956	1,257	0	124	0	403	0	0
Department of Transportation	133,055	68,460	49,087	0	3,248	0	11,823	0	437
Environmental Protection Agency	155,680	23,253	14,519	0	226	0	115,566	0	2,116
National Aeronautics and Space Admin	420,810	288,454	95,187	0	7,128	0	29,961	0	80
National Science Foundation	70,578	8,982	1,527	0	15,037	0	45,032	0	0
Florida, total	2,906,333	585,886	2,047,291	0	263,964	0	4,421	0	4,771
Department of Agriculture	34,000	21,896	0	0	11,974	0	130	0	0
Department of Commerce	40,022	32,835	3,732	0	3,319	0	0	0	136
Department of Defense, research[2]	125,073	46,081	41,633	0	37,224	0	135	0	0
Department of Defense, total development[3] [4]	1,997,392	248,710	1,740,164	0	8,518	0	0	0	0
Department of Energy	71,844	0	54,712	0	17,128	0	4	0	0
Department of Health & Human Svcs	128,971	0	5,219	0	119,668	0	2,460	0	1,624
Department of the Interior	11,898	10,925	79	0	894	0	0	0	0
Department of Transportation	6,058	175	2,736	0	514	0	0	0	2,633
Environmental Protection Agency	12,277	4,007	7,280	0	864	0	0	0	126
National Aeronautics and Space Admin	429,133	221,257	191,131	0	16,068	0	425	0	252
National Science Foundation	49,665	0	605	0	47,793	0	1,267	0	0
Georgia, total	5,544,354	222,335	5,048,945	0	238,575	0	30,610	0	3,889
Department of Agriculture	51,741	39,287	0	0	12,309	0	0	0	145
Department of Commerce	2,153	458	718	0	977	0	0	0	0
Department of Defense, research[2]	31,327	2,252	4,920	0	24,155	0	0	0	0
Department of Defense, total development[3] [4]	5,090,810	16,992	5,028,079	0	20,500	0	25,239	0	0
Department of Energy	17,227	0	423	0	14,547	0	2,257	0	0
Department of Health & Human Svcs	261,755	141,010	1,270	0	116,460	0	2,232	0	783
Department of the Interior	6,441	5,821	95	0	525	0	0	0	0
Department of Transportation	14,913	125	2,396	0	10,121	0	242	0	2,029
Environmental Protection Agency	17,638	4,617	4,423	0	8,558	0	0	0	40
National Aeronautics and Space Admin	25,169	11,773	5,697	0	7,059	0	640	0	0
National Science Foundation	25,180	0	924	0	23,364	0	0	0	892
Hawaii, total	140,305	61,156	11,210	0	55,606	0	11,375	0	958
Department of Agriculture	20,612	9,796	0	0	5,357	0	5,459	0	0
Department of Commerce	13,138	8,413	194	0	4,452	0	0	0	79
Department of Defense, research[2]	11,700	614	7,719	0	3,367	0	0	0	0
Department of Defense, total development[3] [4]	35,342	31,903	1,979	0	1,460	0	0	0	0
Department of Energy	2,706	0	0	0	2,656	0	50	0	0
Department of Health & Human Svcs	24,277	0	675	0	17,526	0	5,800	0	276
Department of the Interior	10,920	10,380	0	0	540	0	0	0	0
Department of Transportation	752	0	0	0	149	0	0	0	603
National Aeronautics and Space Admin	6,987	50	160	0	6,777	0	0	0	0
National Science Foundation	13,871	0	483	0	13,322	0	66	0	0

See explanatory information, if any, and SOURCE at end of table.

Table C-82. Federal obligations for research and development, by State, agency, and performer: fiscal year 1994

[Dollars in thousands]

Page 4 of 14

State and agency	Total	Intramural[1]	Extramural						
			Industrial firms	FFRDCs admin by industrial firms	Universities and colleges	FFRDCs admin by univs and colleges	Other nonprofit institutions	FFRDCs admin by nonprofit institutions	State and local govts
Idaho, total	227,773	29,373	105,070	73,879	17,980	0	323	0	1,148
Department of Agriculture	18,141	13,054	0	0	4,989	0	91	0	7
Department of Commerce	507	471	0	0	36	0	0	0	0
Department of Defense, research[2]	4,047	23	2,231	877	916	0	0	0	0
Department of Defense, total development[3] [4]	8,139	4,127	954	3,022	36	0	0	0	0
Department of Energy	171,393	1,315	101,110	68,533	260	0	0	0	175
Department of Health & Human Svcs	1,780	0	369	0	795	0	230	0	386
Department of the Interior	12,232	9,589	66	1,447	1,128	0	2	0	0
Department of Transportation	5,774	550	0	0	4,644	0	0	0	580
Environmental Protection Agency	585	0	0	0	585	0	0	0	0
National Aeronautics and Space Admin	393	244	0	0	149	0	0	0	0
National Science Foundation	4,782	0	340	0	4,442	0	0	0	0
Illinois, total	1,079,973	85,416	85,475	0	423,291	436,956	42,810	0	6,025
Department of Agriculture	44,950	33,219	80	0	11,471	0	145	0	35
Department of Commerce	4,203	365	2,581	0	761	0	0	0	496
Department of Defense, research[2]	65,662	18,760	5,682	0	40,034	675	511	0	0
Department of Defense, total development[3] [4]	94,032	27,480	53,369	0	9,499	3,684	0	0	0
Department of Energy	467,668	1,862	11,768	0	21,027	430,396	1,615	0	1,000
Department of Health & Human Svcs	255,716	399	6,080	0	211,207	547	36,558	0	925
Department of the Interior	2,933	2,067	71	0	536	75	0	0	184
Department of Transportation	9,295	19	2,911	0	1,250	1,478	635	0	3,002
Environmental Protection Agency	1,796	0	713	0	700	0	0	0	383
National Aeronautics and Space Admin	13,292	1,245	1,899	0	9,866	100	182	0	0
National Science Foundation	120,426	0	321	0	116,940	1	3,164	0	0
Indiana, total	403,611	96,071	122,674	0	176,141	0	5,816	0	2,909
Department of Agriculture	15,809	4,253	0	0	11,549	0	7	0	0
Department of Commerce	189	0	0	0	189	0	0	0	0
Department of Defense, research[2]	21,195	2,448	5,468	0	13,279	0	0	0	0
Department of Defense, total development[3] [4]	200,953	85,278	109,478	0	789	0	5,408	0	0
Department of Energy	17,105	0	1,368	0	15,682	0	55	0	0
Department of Health & Human Svcs	88,241	100	2,072	0	84,332	0	267	0	1,470
Department of the Interior	2,712	2,524	24	0	164	0	0	0	0
Department of Transportation	2,219	0	221	0	580	0	0	0	1,418
Environmental Protection Agency	1,088	0	55	0	1,012	0	0	0	21
National Aeronautics and Space Admin	10,006	1,468	3,548	0	4,911	0	79	0	0
National Science Foundation	44,094	0	440	0	43,654	0	0	0	0
Iowa, total	223,823	37,592	18,758	0	134,507	27,791	2,527	0	2,648
Department of Agriculture	40,127	25,437	80	0	14,610	0	0	0	0
Department of Commerce	2,496	0	580	0	1,916	0	0	0	0
Department of Defense, research[2]	5,932	0	25	0	5,817	110	0	0	0
Department of Defense, total development[3] [4]	27,234	9,784	15,516	0	1,934	0	0	0	0
Department of Energy	31,992	0	1,695	0	3,209	27,088	0	0	0
Department of Health & Human Svcs	85,090	0	0	0	80,555	593	2,527	0	1,415
Department of the Interior	2,528	2,371	0	0	157	0	0	0	0
Department of Transportation	7,206	0	0	0	6,138	0	0	0	1,068
Environmental Protection Agency	1,259	0	125	0	969	0	0	0	165
National Aeronautics and Space Admin	5,903	0	379	0	5,524	0	0	0	0
National Science Foundation	14,036	0	358	0	13,678	0	0	0	0

See explanatory information, if any, and SOURCE at end of table

Table C-82. Federal obligations for research and development, by State, agency, and performer: fiscal year 1994

[Dollars in thousands]

State and agency	Total	Intramural[1]	Extramural						
			Industrial firms	FFRDCs admin by industrial firms	Universities and colleges	FFRDCs admin by univs and colleges	Other nonprofit institutions	FFRDCs admin by nonprofit institutions	State and local govts
Kansas, total	84,823	15,157	11,173	0	55,119	0	1,095	0	2,279
Department of Agriculture	13,341	6,997	80	0	6,264	0	0	0	0
Department of Commerce	38	0	0	0	38	0	0	0	0
Department of Defense, research[2]	4,341	511	1,005	0	2,825	0	0	0	0
Department of Defense, total development[3, 4]	10,631	4,433	5,529	0	669	0	0	0	0
Department of Energy	4,205	0	0	0	4,205	0	0	0	0
Department of Health & Human Svcs	31,500	0	863	0	28,239	0	1,095	0	1,303
Department of the Interior	3,353	3,214	39	0	100	0	0	0	0
Department of Transportation	1,942	0	94	0	872	0	0	0	976
Environmental Protection Agency	4,351	0	3,283	0	1,068	0	0	0	0
National Aeronautics and Space Admin	2,595	2	180	0	2,413	0	0	0	0
National Science Foundation	8,526	0	100	0	8,426	0	0	0	0
Kentucky, total	88,635	8,049	14,159	0	63,939	0	262	0	2,226
Department of Agriculture	11,263	1,495	0	0	9,768	0	0	0	0
Department of Commerce	68	0	1	0	67	0	0	0	0
Department of Defense, research[2]	1,766	546	151	0	1,069	0	0	0	0
Department of Defense, total development[3, 4]	5,795	4,200	1,249	0	346	0	0	0	0
Department of Energy	18,490	0	11,935	0	6,480	0	0	0	75
Department of Health & Human Svcs	39,287	0	821	0	37,557	0	262	0	647
Department of the Interior	2,354	1,808	0	0	296	0	0	0	250
Department of Transportation	1,240	0	0	0	66	0	0	0	1,174
Environmental Protection Agency	526	0	0	0	446	0	0	0	80
National Aeronautics and Space Admin	1,479	0	0	0	1,479	0	0	0	0
National Science Foundation	6,367	0	2	0	6,365	0	0	0	0
Louisiana, total	205,055	49,604	40,037	0	111,073	0	1,976	0	2,365
Department of Agriculture	33,856	24,997	0	0	8,859	0	0	0	0
Department of Commerce	2,365	793	0	0	1,563	0	0	0	9
Department of Defense, research[2]	10,934	0	624	0	10,310	0	0	0	0
Department of Defense, total development[3, 4]	51,820	5,661	32,263	0	13,896	0	0	0	0
Department of Energy	6,487	260	2,726	0	3,501	0	0	0	0
Department of Health & Human Svcs	60,718	2,271	337	0	55,649	0	1,976	0	485
Department of the Interior	17,792	15,582	141	0	2,069	0	0	0	0
Department of Transportation	1,470	0	20	0	195	0	0	0	1,255
Environmental Protection Agency	2,409	0	0	0	2,409	0	0	0	0
National Aeronautics and Space Admin	5,856	40	3,297	0	2,314	0	0	0	205
National Science Foundation	11,348	0	629	0	10,308	0	0	0	411
Maine, total	80,852	3,882	36,902	0	15,747	0	21,768	0	2,553
Department of Agriculture	5,863	1,227	0	0	4,636	0	0	0	0
Department of Commerce	3,297	606	0	0	2,560	0	0	0	131
Department of Defense, research[2]	5,612	0	4,696	0	552	0	364	0	0
Department of Defense, total development[3, 4]	25,671	832	23,717	0	122	0	1,000	0	0
Department of Energy	7,701	0	6,529	0	1,172	0	0	0	0
Department of Health & Human Svcs	22,315	0	573	0	1,508	0	18,521	0	1,713
Department of the Interior	1,558	1,217	7	0	334	0	0	0	0
Department of Transportation	656	0	234	0	0	0	0	0	422
Environmental Protection Agency	1,757	0	900	0	775	0	0	0	82
National Aeronautics and Space Admin	937	0	90	0	179	0	463	0	205
National Science Foundation	5,485	0	156	0	3,909	0	1,420	0	0

See explanatory information, if any, and SOURCE at end of table.

Table C-82. Federal obligations for research and development, by State, agency, and performer: fiscal year 1994

[Dollars in thousands]

Page 6 of 14

State and agency	Total	Intramural [1]	Extramural						
			Industrial firms	FFRDCs admin by industrial firms	Universities and colleges	FFRDCs admin by univs and colleges	Other nonprofit institutions	FFRDCs admin by nonprofit institutions	State and local govts
Maryland, total	6,652,978	4,163,166	1,600,112	127,301	605,589	0	149,899	3,164	3,747
Department of Agriculture	114,075	101,482	3,010	0	8,975	0	437	0	171
Department of Commerce	277,022	267,217	4,567	0	5,032	0	50	0	156
Department of Defense, research[2]	335,504	227,146	76,534	120	30,560	0	1,144	0	0
Department of Defense, total development[3] [4]	2,213,689	1,249,727	790,440	0	152,843	0	17,515	3,164	0
Department of Energy	79,783	51,890	12,891	0	14,242	0	760	0	0
Department of Health & Human Svcs	2,530,756	1,872,275	169,349	127,181	321,315	0	40,250	0	386
Department of the Interior	18,359	17,823	66	0	318	0	2	0	150
Department of Transportation	38,809	2,604	33,545	0	1,370	0	0	0	1,290
Environmental Protection Agency	8,617	0	6,276	0	1,669	0	0	0	672
National Aeronautics and Space Admin	985,029	370,051	497,883	0	30,947	0	85,676	0	472
National Science Foundation	51,335	2,951	5,551	0	38,318	0	4,065	0	450
Massachusetts, total	3,234,051	341,397	1,226,730	0	825,912	137,609	548,924	140,090	13,389
Department of Agriculture	21,664	14,798	167	0	6,351	0	348	0	0
Department of Commerce	38,499	27,636	6,903	0	3,236	157	221	0	346
Department of Defense, research[2]	393,866	86,217	137,258	0	129,038	12,815	27,853	685	0
Department of Defense, total development[3] [4]	1,425,655	150,025	944,974	0	56,178	124,637	15,966	133,875	0
Department of Energy	88,862	129	6,176	0	79,045	0	3,512	0	0
Department of Health & Human Svcs	901,577	29,448	71,902	0	347,446	0	446,827	0	5,954
Department of the Interior	6,471	5,349	315	0	807	0	0	0	0
Department of Transportation	41,788	25,159	8,636	0	2,453	0	0	0	5,540
Environmental Protection Agency	19,823	0	15,513	0	2,761	0	0	0	1,549
National Aeronautics and Space Admin	126,941	2,090	25,808	0	49,418	0	44,237	5,388	0
National Science Foundation	168,905	546	9,078	0	149,179	0	9,960	142	0
Michigan, total	770,231	99,972	227,762	0	392,223	0	45,675	0	4,599
Department of Agriculture	22,977	7,872	80	0	15,025	0	0	0	0
Department of Commerce	19,905	6,777	11,762	0	803	0	422	0	141
Department of Defense, research[2]	102,519	17,166	55,699	0	27,401	0	2,253	0	0
Department of Defense, total development[3] [4]	237,000	61,399	138,847	0	12,378	0	24,376	0	0
Department of Energy	14,234	0	814	0	13,323	0	97	0	0
Department of Health & Human Svcs	257,662	0	6,798	0	237,888	0	11,059	0	1,917
Department of the Interior	7,262	6,748	90	0	424	0	0	0	0
Department of Transportation	4,803	10	604	0	2,248	0	0	0	1,941
Environmental Protection Agency	12,541	0	7,752	0	4,189	0	0	0	600
National Aeronautics and Space Admin	23,419	0	4,926	0	11,066	0	7,427	0	0
National Science Foundation	67,909	0	390	0	67,478	0	41	0	0
Minnesota, total	474,372	40,620	183,537	0	171,224	0	73,128	0	5,863
Department of Agriculture	24,263	14,963	160	0	9,074	0	0	0	66
Department of Commerce	2,727	0	2,274	0	453	0	0	0	0
Department of Defense, research[2]	50,057	226	39,680	0	9,609	0	542	0	0
Department of Defense, total development[3] [4]	134,829	3,867	127,189	0	2,007	0	1,766	0	0
Department of Energy	6,867	0	0	0	6,867	0	0	0	0
Department of Health & Human Svcs	187,722	0	3,862	0	109,315	0	69,986	0	4,559
Department of the Interior	17,664	15,973	1,219	0	472	0	0	0	0
Department of Transportation	5,284	0	3,017	0	1,154	0	0	0	1,113
Environmental Protection Agency	10,376	5,591	3,001	0	1,659	0	0	0	125
National Aeronautics and Space Admin	4,152	0	2,009	0	2,079	0	64	0	0
National Science Foundation	30,431	0	1,126	0	28,535	0	770	0	0

See explanatory information, if any, and SOURCE at end of table.

Table C-82. Federal obligations for research and development, by State, agency, and performer: fiscal year 1994

[Dollars in thousands]

Page 7 of 14

State and agency	Total	Intramural[1]	Extramural						
			Industrial firms	FFRDCs admin by industrial firms	Universities and colleges	FFRDCs admin by univs and colleges	Other nonprofit institutions	FFRDCs admin by nonprofit institutions	State and local govts
Mississippi, total	255,734	124,493	81,135	0	41,411	0	4,974	0	3,721
Department of Agriculture	49,570	35,530	0	0	13,252	0	788	0	0
Department of Commerce	56,948	6,153	49,999	0	558	0	0	0	238
Department of Defense, research[2]	43,340	34,100	2,531	0	5,674	0	1,035	0	0
Department of Defense, total development[3] [4]	39,198	24,676	12,380	0	1,142	0	1,000	0	0
Department of Energy	3,673	223	1,284	0	2,166	0	0	0	0
Department of Health & Human Svcs	14,060	0	129	0	11,507	0	349	0	2,075
Department of the Interior	2,959	2,460	0	0	499	0	0	0	0
Department of Transportation	2,009	950	0	0	179	0	0	0	880
Environmental Protection Agency	538	0	0	0	50	0	0	0	488
National Aeronautics and Space Admin	38,281	20,263	14,812	0	1,404	0	1,802	0	0
National Science Foundation	5,158	138	0	0	4,980	0	0	0	40
Missouri, total	2,271,683	58,262	1,971,805	0	220,545	0	17,416	0	3,655
Department of Agriculture	19,067	6,642	80	0	12,345	0	0	0	0
Department of Commerce	426	136	32	0	172	0	86	0	0
Department of Defense, research[2]	19,511	1,331	10,765	0	7,411	0	4	0	0
Department of Defense, total development[3] [4]	1,990,993	36,124	1,952,593	0	1,443	0	833	0	0
Department of Energy	5,513	0	20	0	4,799	0	694	0	0
Department of Health & Human Svcs	191,928	27	1,420	0	173,673	0	14,816	0	1,992
Department of the Interior	15,262	13,957	345	0	960	0	0	0	0
Department of Transportation	2,506	0	604	0	239	0	0	0	1,663
Environmental Protection Agency	1,723	0	1,411	0	312	0	0	0	0
National Aeronautics and Space Admin	8,946	45	4,340	0	4,491	0	70	0	0
National Science Foundation	15,808	0	195	0	14,700	0	913	0	0
Montana, total	56,420	28,782	3,873	0	21,368	0	1,018	0	1,379
Department of Agriculture	14,687	9,912	0	0	4,704	0	71	0	0
Department of Commerce	400	0	0	0	400	0	0	0	0
Department of Defense, research[2]	1,256	56	142	0	1,023	0	35	0	0
Department of Defense, total development[3] [4]	8	8	0	0	0	0	0	0	0
Department of Energy	3,789	480	2,959	0	100	0	0	0	250
Department of Health & Human Svcs	19,386	13,261	162	0	4,796	0	912	0	255
Department of the Interior	5,546	5,030	67	0	449	0	0	0	0
Department of Transportation	874	0	0	0	0	0	0	0	874
Environmental Protection Agency	134	0	0	0	134	0	0	0	0
National Aeronautics and Space Admin	1,722	35	543	0	1,144	0	0	0	0
National Science Foundation	8,618	0	0	0	8,618	0	0	0	0
Nebraska, total	85,176	27,942	6,440	0	42,931	0	5,788	0	2,075
Department of Agriculture	26,382	17,898	0	0	8,484	0	0	0	0
Department of Commerce	114	0	0	0	114	0	0	0	0
Department of Defense, research[2]	9,295	6,786	799	0	1,710	0	0	0	0
Department of Defense, total development[3] [4]	10,209	108	4,234	0	5,867	0	0	0	0
Department of Energy	1,364	0	550	0	814	0	0	0	0
Department of Health & Human Svcs	25,483	0	78	0	18,255	0	5,788	0	1,362
Department of the Interior	3,640	3,150	0	0	490	0	0	0	0
Department of Transportation	733	0	0	0	40	0	0	0	693
Environmental Protection Agency	45	0	0	0	25	0	0	0	20
National Aeronautics and Space Admin	1,656	0	311	0	1,345	0	0	0	0
National Science Foundation	6,255	0	468	0	5,787	0	0	0	0

See explanatory information, if any, and SOURCE at end of table.

Table C-82. Federal obligations for research and development, by State, agency, and performer: fiscal year 1994

[Dollars in thousands]

Page 8 of 14

State and agency	Total	Intramural [1]	Extramural						
			Industrial firms	FFRDCs admin by industrial firms	Universities and colleges	FFRDCs admin by univs and colleges	Other nonprofit institutions	FFRDCs admin by nonprofit institutions	State and local govts
Nevada, total	347,665	51,140	270,869	0	22,616	0	1,295	0	1,745
Department of Agriculture	3,133	964	0	0	2,169	0	0	0	0
Department of Commerce	580	0	0	0	84	0	0	0	496
Department of Defense, research [2]	2,696	684	1,291	0	623	0	98	0	0
Department of Defense, total development [3] [4]	30,651	28,168	1,806	0	677	0	0	0	0
Department of Energy	263,080	75	260,438	0	2,567	0	0	0	0
Department of Health & Human Svcs	7,828	0	0	0	6,183	0	1,160	0	485
Department of the Interior	17,984	15,567	215	0	2,202	0	0	0	0
Department of Transportation	3,975	0	3,450	0	0	0	0	0	525
Environmental Protection Agency	10,219	5,580	3,483	0	917	0	0	0	239
National Aeronautics and Space Admin	652	102	123	0	427	0	0	0	0
National Science Foundation	6,867	0	63	0	6,767	0	37	0	0
New Hampshire, total	218,891	32,599	116,029	0	67,885	0	1,769	0	609
Department of Agriculture	5,000	2,324	80	0	2,596	0	0	0	0
Department of Commerce	742	0	0	0	701	0	0	0	41
Department of Defense, research [2]	34,276	16,381	13,327	0	4,568	0	0	0	0
Department of Defense, total development [3] [4]	114,422	9,780	96,728	0	7,017	0	897	0	0
Department of Energy	1,502	0	0	0	1,497	0	5	0	0
Department of Health & Human Svcs	35,335	0	1,172	0	33,138	0	867	0	158
Department of the Interior	1,318	1,078	0	0	240	0	0	0	0
Department of Transportation	1,856	1,442	4	0	0	0	0	0	410
Environmental Protection Agency	333	0	0	0	333	0	0	0	0
National Aeronautics and Space Admin	14,146	211	4,465	0	9,470	0	0	0	0
National Science Foundation	9,961	1,383	253	0	8,325	0	0	0	0
New Jersey, total	1,391,942	438,937	632,130	0	200,007	102,134	14,020	0	4,714
Department of Agriculture	6,999	888	0	0	6,111	0	0	0	0
Department of Commerce	23,470	17,067	2,852	0	3,370	0	48	0	133
Department of Defense, research [2]	157,752	81,526	36,482	0	39,300	183	261	0	0
Department of Defense, total development [3] [4]	686,769	292,759	385,102	0	5,259	0	3,649	0	0
Department of Energy	127,413	0	13,622	0	11,851	101,843	97	0	0
Department of Health & Human Svcs	103,296	0	9,998	0	82,469	0	9,210	0	1,619
Department of the Interior	4,351	2,900	797	0	151	0	0	0	503
Department of Transportation	85,443	43,490	37,589	0	1,927	0	0	0	2,437
Environmental Protection Agency	2,381	0	563	0	1,818	0	0	0	0
National Aeronautics and Space Admin	149,077	307	142,206	0	6,182	0	382	0	0
National Science Foundation	44,991	0	2,919	0	41,569	108	373	0	22
New Mexico, total	1,894,083	381,366	158,263	707,417	83,308	548,629	5,688	7,341	2,071
Department of Agriculture	6,587	2,896	0	0	3,616	0	75	0	0
Department of Commerce	30	0	0	0	30	0	0	0	0
Department of Defense, research [2]	135,333	76,162	22,317	9,933	13,267	13,153	501	0	0
Department of Defense, total development [3] [4]	468,405	243,646	102,369	89,696	5,769	26,925	0	0	0
Department of Energy	1,178,992	33,552	20,537	607,338	8,095	501,454	938	7,078	0
Department of Health & Human Svcs	36,718	1,294	1,817	0	23,017	6,215	2,947	263	1,165
Department of the Interior	5,616	4,855	60	450	251	0	0	0	906
Department of Transportation	5,664	4,285	242	0	231	0	0	0	906
Environmental Protection Agency	857	0	675	0	182	0	0	0	0
National Aeronautics and Space Admin	45,072	14,044	9,595	0	20,362	882	189	0	0
National Science Foundation	10,809	632	651	0	8,488	0	1,038	0	0

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Table C-82. Federal obligations for research and development, by State, agency, and performer: fiscal year 1994

[Dollars in thousands]

State and agency	Total	Intramural [1]	Extramural						
			Industrial firms	FFRDCs admin by industrial firms	Universities and colleges	FFRDCs admin by univs and colleges	Other nonprofit institutions	FFRDCs admin by nonprofit institutions	State and local govts
New York, total	2,698,717	151,024	1,027,741	0	1,046,333	197,809	195,939	0	79,871
Department of Agriculture	32,753	15,190	374	0	16,249	0	940	0	0
Department of Commerce	7,220	696	3,724	0	2,550	145	2	0	103
Department of Defense, research [2]	183,082	49,158	43,928	0	89,498	0	498	0	0
Department of Defense, total development [3] [4]	706,108	58,797	620,765	0	13,848	6,290	6,408	0	0
Department of Energy	569,090	18,139	312,758	0	52,190	184,510	1,493	0	0
Department of Health & Human Svcs	934,914	220	15,878	0	665,974	3,872	174,501	0	74,469
Department of the Interior	6,396	5,050	768	0	561	0	0	0	17
Department of Transportation	12,594	0	7,844	0	233	0	33	0	4,484
Environmental Protection Agency	5,879	0	3,080	0	2,165	0	0	0	634
National Aeronautics and Space Admin	44,276	3,774	14,989	0	22,451	1,810	1,187	0	65
National Science Foundation	196,405	0	3,633	0	180,614	1,182	10,877	0	99
North Carolina, total	734,323	112,716	113,980	0	448,777	0	45,822	0	13,028
Department of Agriculture	34,665	18,579	3	0	16,065	0	18	0	0
Department of Commerce	13,907	6,532	1,156	0	6,075	0	0	0	144
Department of Defense, research [2]	49,067	15,117	7,239	0	25,448	0	1,263	0	0
Department of Defense, total development [3] [4]	84,106	30,534	38,189	0	14,575	0	808	0	0
Department of Energy	13,107	895	1,399	0	9,413	0	1,400	0	0
Department of Health & Human Svcs	359,925	852	10,791	0	307,325	0	38,120	0	2,837
Department of the Interior	3,662	3,147	8	0	357	0	0	0	150
Department of Transportation	4,648	13	33	0	2,711	0	0	0	1,871
Environmental Protection Agency	117,578	36,820	52,993	0	19,739	0	0	0	8,026
National Aeronautics and Space Admin	10,462	127	1,748	0	6,668	0	1,919	0	0
National Science Foundation	43,196	100	401	0	40,401	0	2,294	0	0
North Dakota, total	49,580	25,504	597	0	21,109	0	1,270	0	1,100
Department of Agriculture	25,753	19,863	0	0	5,890	0	0	0	0
Department of Commerce	387	0	0	0	0	0	0	0	387
Department of Defense, research [2]	783	0	228	0	555	0	0	0	0
Department of Defense, total development [3] [4]	942	20	224	0	698	0	0	0	0
Department of Energy	6,145	0	0	0	6,145	0	0	0	0
Department of Health & Human Svcs	4,485	0	0	0	3,033	0	1,270	0	182
Department of the Interior	5,973	5,621	13	0	339	0	0	0	0
Department of Transportation	531	0	0	0	0	0	0	0	531
Environmental Protection Agency	2,497	0	55	0	2,442	0	0	0	0
National Aeronautics and Space Admin	318	0	77	0	241	0	0	0	0
National Science Foundation	1,766	0	0	0	1,766	0	0	0	0
Ohio, total	1,734,371	585,982	732,833	0	333,732	0	77,365	0	4,459
Department of Agriculture	16,521	7,274	6	0	9,226	0	8	0	7
Department of Commerce	2,906	0	1,972	0	913	0	21	0	0
Department of Defense, research [2]	233,298	139,243	49,703	0	41,694	0	2,658	0	0
Department of Defense, total development [3] [4]	581,279	150,583	405,513	0	9,565	0	15,618	0	0
Department of Energy	25,550	0	16,407	0	7,397	0	1,746	0	0
Department of Health & Human Svcs	259,485	13,173	10,292	0	187,556	0	47,419	0	1,045
Department of the Interior	3,801	3,122	0	0	679	0	0	0	0
Department of Transportation	11,456	5,194	876	0	1,404	0	1,523	0	2,459
Environmental Protection Agency	47,838	22,096	6,489	0	18,522	0	0	0	731
National Aeronautics and Space Admin	516,892	245,297	240,739	0	22,267	0	8,372	0	217
National Science Foundation	35,345	0	836	0	34,509	0	0	0	0

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[5] See explanatory information, if any, and SOURCE at end of table.

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Table C-82. Federal obligations for research and development, by State, agency, and performer: fiscal year 1994

[Dollars in thousands]

Page 10 of 14

State and agency	Total	Intramural [1]	Extramural						
			Industrial firms	FFRDCs admin by industrial firms	Universities and colleges	FFRDCs admin by univs and colleges	Other nonprofit institutions	FFRDCs admin by nonprofit institutions	State and local govts
Oklahoma, total	141,471	53,850	36,364	0	41,567	0	8,005	0	1,685
Department of Agriculture	16,702	9,253	0	0	7,414	0	0	0	35
Department of Commerce	6,423	5,488	785	0	150	0	0	0	0
Department of Defense, research [2]	3,926	81	1,567	0	2,278	0	0	0	0
Department of Defense, total development [3] [4]	26,801	16,565	10,196	0	40	0	0	0	0
Department of Energy	25,428	1,931	20,802	0	2,695	0	0	0	0
Department of Health & Human Svcs	25,327	0	626	0	16,520	0	7,665	0	516
Department of the Interior	2,827	2,620	0	0	172	0	0	0	35
Department of Transportation	18,090	14,733	1,548	0	710	0	0	0	1,099
Environmental Protection Agency	4,403	3,179	807	0	417	0	0	0	0
National Aeronautics and Space Admin	875	0	33	0	641	0	201	0	0
National Science Foundation	10,669	0	0	0	10,530	0	139	0	0
Oregon, total	279,164	60,178	44,341	0	132,350	0	34,824	0	7,471
Department of Agriculture	35,229	22,013	29	0	12,812	0	214	0	161
Department of Commerce	15,004	9,309	3,881	0	1,742	0	0	0	72
Department of Defense, research [2]	24,282	0	13,597	0	10,252	0	433	0	0
Department of Defense, total development [3] [4]	13,786	1,366	12,339	0	81	0	0	0	0
Department of Energy	15,021	1,175	3,450	0	9,871	0	0	0	525
Department of Health & Human Svcs	95,614	0	3,137	0	62,039	0	29,110	0	1,328
Department of the Interior	22,072	20,905	384	0	683	0	0	0	100
Department of Transportation	4,378	0	38	0	3,473	0	0	0	867
Environmental Protection Agency	11,801	5,168	4,324	0	2,064	0	0	0	245
National Aeronautics and Space Admin	14,522	242	2,018	0	3,550	0	4,539	0	4,173
National Science Foundation	27,455	0	1,144	0	25,783	0	528	0	0
Pennsylvania, total	1,980,531	332,027	721,534	0	712,513	26,201	182,499	0	5,757
Department of Agriculture	40,272	29,696	0	0	10,566	0	10	0	0
Department of Commerce	4,583	0	2,601	0	486	600	847	0	49
Department of Defense, research [2]	171,908	36,351	26,626	0	85,623	23,042	266	0	0
Department of Defense, total development [3] [4]	695,340	170,588	417,206	0	56,094	2,559	48,893	0	0
Department of Energy	347,614	66,763	240,074	0	21,322	0	19,455	0	0
Department of Health & Human Svcs	526,645	12	5,544	0	419,509	0	101,093	0	487
Department of the Interior	35,801	27,037	6,650	0	2,084	0	30	0	0
Department of Transportation	13,025	1,580	3,467	0	3,968	0	262	0	3,748
Environmental Protection Agency	2,671	0	265	0	1,885	0	0	0	521
National Aeronautics and Space Admin	36,292	0	17,049	0	19,170	0	73	0	0
National Science Foundation	106,380	0	2,052	0	91,806	0	11,570	0	952
Rhode Island, total	433,488	238,837	116,114	0	57,866	0	18,668	0	2,003
Department of Agriculture	2,159	2	80	0	2,038	0	39	0	0
Department of Commerce	2,710	513	405	0	1,740	0	0	0	52
Department of Defense, research [2]	33,065	18,664	3,234	0	11,032	0	135	0	0
Department of Defense, total development [3] [4]	323,995	213,259	110,461	0	265	0	10	0	0
Department of Energy	2,518	0	51	0	2,443	0	24	0	0
Department of Health & Human Svcs	38,774	0	139	0	20,358	0	16,872	0	1,405
Department of the Interior	1,700	1,247	0	0	453	0	0	0	0
Department of Transportation	1,046	402	113	0	0	0	0	0	531
Environmental Protection Agency	7,247	4,750	1,175	0	1,307	0	0	0	15
National Aeronautics and Space Admin	3,589	0	456	0	2,989	0	144	0	0
National Science Foundation	16,685	0	0	0	15,241	0	1,444	0	0

See explanatory information, if any, and SOURCE at end of table.

Table C-82. Federal obligations for research and development, by State, agency, and performer: fiscal year 1994

[Dollars in thousands]

State and agency	Total	Intra-mural [1]	Extramural						
			Industrial firms	FFRDCs admin by indus-trial firms	Univer-sities and colleges	FFRDCs admin by univs and colleges	Other nonprofit institu-tions	FFRDCs admin by non-profit institu-tions	State and local govts
South Carolina, total	198 537	35 613	24 594	59 084	69 383	0	6 528	0	3 335
Department of Agriculture	16 131	9 087	0	0	7 044	0	0	0	0
Department of Commerce	8 848	5 774	1 659	0	1 325	0	0	0	90
Department of Defense, research [2]	5 599	460	409	0	4 730	0	0	0	0
Department of Defense, total development [3] [4]	39 713	17 545	11 384	1 901	3 050	0	5 833	0	0
Department of Energy	79 044	0	9 088	57 183	12 474	0	299	0	0
Department of Health & Human Svcs	33 470	50	1 420	0	29 831	0	150	0	2 019
Department of the Interior	2 827	2 697	8	0	122	0	0	0	0
Department of Transportation	1 180	0	0	0	140	0	0	0	1 040
Environmental Protection Agency	521	0	0	0	521	0	0	0	0
National Aeronautics and Space Admin	1 927	0	626	0	928	0	187	0	186
National Science Foundation	9 277	0	0	0	9 218	0	59	0	0
South Dakota, total	26 481	10 979	2 710	0	9 893	0	1 346	0	1 553
Department of Agriculture	5 754	2 326	0	0	3 428	0	0	0	0
Department of Defense, research [2]	581	0	28	0	553	0	0	0	0
Department of Defense, total development [3] [4]	20	8	12	0	0	0	0	0	0
Department of Energy	25	0	0	0	25	0	0	0	0
Department of Health & Human Svcs	4 658	774	255	0	1 338	0	1 346	0	945
Department of the Interior	6 138	3 602	2 238	0	298	0	0	0	0
Department of Transportation	619	0	11	0	0	0	0	0	608
Environmental Protection Agency	99	0	0	0	99	0	0	0	0
National Aeronautics and Space Admin	5 485	4 269	166	0	1 050	0	0	0	0
National Science Foundation	3 102	0	0	0	3 102	0	0	0	0
Tennessee, total	675 621	93 026	80 219	282 189	164 428	23 914	29 279	0	2 566
Department of Agriculture	10 162	737	80	0	9 340	0	5	0	0
Department of Commerce	1 161	805	0	255	101	0	0	0	0
Department of Defense, research [2]	18 583	5 399	1 623	631	10 736	0	194	0	0
Department of Defense, total development [3] [4]	103 650	75 295	15 706	9 333	3 316	0	0	0	0
Department of Energy	348 549	1 069	51 954	267 216	7 184	20 622	504	0	0
Department of Health & Human Svcs	139 541	726	1 294	810	115 458	492	20 290	0	471
Department of the Interior	3 438	2 784	82	0	572	0	0	0	0
Department of Transportation	9 512	2 661	230	3 944	582	0	0	0	2 095
Environmental Protection Agency	1 056	0	841	0	215	0	0	0	0
National Aeronautics and Space Admin	28 528	3 527	8 147	0	5 800	2 800	8 254	0	0
National Science Foundation	11 441	23	262	0	11 124	0	32	0	0
Texas, total	3 658 329	564 827	2 282 216	0	635 598	0	166 564	332	8 792
Department of Agriculture	64 403	45 592	140	0	18 609	0	0	0	62
Department of Commerce	6 345	2 420	2 019	0	1 589	0	118	0	199
Department of Defense, research [2]	109 388	35 794	30 696	0	41 294	0	1 604	0	0
Department of Defense, total development [3] [4]	1 320 566	108 109	1 055 929	0	46 594	0	109 602	332	0
Department of Energy	38 831	0	10 061	0	24 875	0	3 895	0	0
Department of Health & Human Svcs	438 983	78	6 933	0	394 714	0	34 480	0	2 778
Department of the Interior	7 569	6 608	392	0	464	0	105	0	0
Department of Transportation	10 347	225	3 849	0	1 630	0	42	0	4 601
Environmental Protection Agency	14 021	0	7 531	0	5 338	0	0	0	1 152
National Aeronautics and Space Admin	1 575 589	366 001	1 163 303	0	29 916	0	16 369	0	0
National Science Foundation	72 287	0	1 363	0	70 575	0	349	0	0

See explanatory information, if any, and SOURCE at end of table

Table C-82. Federal obligations for research and development, by State, agency, and performer: fiscal year 1994

[Dollars in thousands]

State and agency	Total	Intramural[1]	Extramural						
			Industrial firms	FFRDCs admin by industrial firms	Universities and colleges	FFRDCs admin by univs and colleges	Other nonprofit institutions	FFRDCs admin by nonprofit institutions	State and local govts
Utah, total	325,650	95,844	96,878	0	125,920	0	5,630	0	1,378
Department of Agriculture	14,142	8,802	0	0	5,337	0	0	0	3
Department of Commerce	1,716	0	1,261	0	205	0	0	0	250
Department of Defense, research[2]	24,811	5,238	7,260	0	12,313	0	0	0	0
Department of Defense, total development[3] [4]	153,713	70,390	61,258	0	22,065	0	0	0	0
Department of Energy	9,662	0	879	0	4,483	0	4,300	0	0
Department of Health & Human Svcs	62,116	0	3,415	0	56,905	0	1,330	0	466
Department of the Interior	12,779	11,414	387	0	978	0	0	0	0
Department of Transportation	14,452	0	12,858	0	935	0	0	0	659
National Aeronautics and Space Admin	13,448	0	8,986	0	4,462	0	0	0	0
National Science Foundation	18,811	0	574	0	18,237	0	0	0	0
Vermont, total	47,880	3,379	6,955	0	33,727	0	3,274	0	545
Department of Agriculture	5,625	1,696	0	0	3,929	0	0	0	0
Department of Commerce	18	0	0	0	18	0	0	0	0
Department of Defense, research[2]	639	0	213	0	426	0	0	0	0
Department of Defense, total development[3] [4]	5,621	49	5,492	0	80	0	0	0	0
Department of Energy	544	0	0	0	544	0	0	0	0
Department of Health & Human Svcs	29,267	0	760	0	25,058	0	3,274	0	175
Department of the Interior	1,789	1,634	55	0	100	0	0	0	0
Department of Transportation	370	0	0	0	0	0	0	0	370
Environmental Protection Agency	204	0	0	0	204	0	0	0	0
National Aeronautics and Space Admin	347	0	204	0	143	0	0	0	0
National Science Foundation	3,456	0	231	0	3,225	0	0	0	0
Virginia, total	3,729,683	1,381,817	1,875,922	0	195,799	44,597	56,060	171,222	4,266
Department of Agriculture	11,419	1,549	50	0	8,854	0	966	0	0
Department of Commerce	32,506	8,254	20,055	0	3,915	0	149	0	133
Department of Defense, research[2]	442,188	187,636	220,116	0	23,005	0	4,999	6,432	0
Department of Defense, total development[3] [4]	2,192,839	783,319	1,233,102	0	4,611	788	19,649	151,370	0
Department of Energy	76,133	12,619	10,510	0	9,115	43,809	80	0	0
Department of Health & Human Svcs	149,767	107	42,995	0	96,438	0	8,857	0	1,370
Department of the Interior	56,036	43,916	10,941	0	1,174	0	5	0	0
Department of Transportation	52,670	8,043	28,247	0	1,723	0	0	13,327	1,330
Environmental Protection Agency	37,979	0	35,782	0	764	0	0	0	1,433
National Aeronautics and Space Admin	635,300	333,541	270,723	0	19,487	0	11,549	0	0
National Science Foundation	42,846	2,833	3,401	0	26,713	0	9,806	93	0
Washington, total	950,186	149,445	252,012	0	306,621	0	91,598	144,292	6,218
Department of Agriculture	35,783	18,915	188	0	16,479	0	131	0	70
Department of Commerce	59,818	54,990	2,086	0	2,610	0	0	0	132
Department of Defense, research[2]	53,601	2,054	29,456	0	21,722	0	133	236	0
Department of Defense, total development[3] [4]	220,401	45,426	163,549	0	3,727	0	4,845	2,854	0
Department of Energy	167,743	7,532	8,841	0	17,345	0	116	133,609	300
Department of Health & Human Svcs	290,859	19	6,333	0	189,461	0	83,256	7,593	4,197
Department of the Interior	22,731	19,643	736	0	2,307	0	45	0	0
Department of Transportation	3,110	0	1,176	0	438	0	40	0	1,456
Environmental Protection Agency	858	0	0	0	795	0	0	0	63
National Aeronautics and Space Admin	48,929	866	38,431	0	9,257	0	375	0	0
National Science Foundation	46,353	0	1,216	0	42,480	0	2,657	0	0

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Table C-82. Federal obligations for research and development, by State, agency, and performer: fiscal year 1994

[Dollars in thousands]

State and agency	Total	Intramural [1]	Extramural						
			Industrial firms	FFRDCs admin by industrial firms	Universities and colleges	FFRDCs admin by univs and colleges	Other nonprofit institutions	FFRDCs admin by nonprofit institutions	State and local govts
West Virginia, total	212,864	95,891	43,555	0	31,741	29,218	10,099	0	2,360
Department of Agriculture	20,189	15,104	0	0	3,783	0	1,302	0	0
Department of Defense, research[2]	3,303	0	1,872	0	1,431	0	0	0	0
Department of Defense, total development[3] [4]	11,225	1,364	5,652	0	0	0	4,209	0	0
Department of Energy	93,528	62,063	29,538	0	1,927	0	0	0	0
Department of Health & Human Svcs	21,639	9,400	1,790	0	7,522	0	1,362	0	1,565
Department of the Interior	8,952	7,460	24	0	1,468	0	0	0	0
Department of Transportation	2,345	0	700	0	850	0	0	0	795
Environmental Protection Agency	308	0	308	0	0	0	0	0	0
National Aeronautics and Space Admin	19,034	500	3,671	0	11,682	0	3,181	0	0
National Science Foundation	32,341	0	0	0	3,078	29,218	45	0	0
Wisconsin, total	349,627	40,576	37,116	0	252,386	0	16,010	0	3,539
Department of Agriculture	37,024	25,257	105	0	11,628	0	0	0	34
Department of Commerce	2,177	625	0	0	1,502	0	0	0	50
Department of Defense, research[2]	18,126	0	7,950	0	10,176	0	0	0	0
Department of Defense, total development[3] [4]	21,797	137	2,018	0	11,819	0	7,823	0	0
Department of Energy	21,328	120	0	0	21,208	0	0	0	0
Department of Health & Human Svcs	152,319	0	1,866	0	140,333	0	8,133	0	1,987
Department of the Interior	14,505	13,940	150	0	415	0	0	0	0
Department of Transportation	3,506	497	1,493	0	123	0	0	0	1,393
Environmental Protection Agency	1,748	0	332	0	1,416	0	0	0	0
National Aeronautics and Space Admin	37,090	0	23,202	0	13,834	0	54	0	0
National Science Foundation	40,007	0	0	0	39,932	0	0	0	75
Wyoming, total	36,576	8,366	9,754	0	12,535	0	5,036	0	885
Department of Agriculture	6,954	4,390	0	0	2,550	0	14	0	0
Department of Defense, research[2]	2,332	0	0	0	2,332	0	0	0	0
Department of Defense, total development[3] [4]	4	4	0	0	0	0	0	0	0
Department of Energy	9,866	0	4,878	0	183	0	4,805	0	0
Department of Health & Human Svcs	1,192	0	0	0	670	0	200	0	322
Department of the Interior	4,384	3,972	0	0	412	0	0	0	0
Department of Transportation	5,832	0	4,876	0	376	0	17	0	563
Environmental Protection Agency	40	0	0	0	40	0	0	0	0
National Aeronautics and Space Admin	960	0	0	0	960	0	0	0	0
National Science Foundation	5,012	0	0	0	5,012	0	0	0	0
Outlying areas, total	166,315	94,894	61	0	51,535	10,035	100	0	9,690
Department of Agriculture	13,307	5,277	0	0	8,030	0	0	0	0
Department of Commerce	1,396	804	0	0	280	0	0	0	312
Department of Defense, research[2]	1,387	1	61	0	1,325	0	0	0	0
Department of Defense, total development[3] [4]	2,434	1,663	0	0	771	0	0	0	0
Department of Energy	68	0	0	0	68	0	0	0	0
Department of Health & Human Svcs	22,645	0	0	0	20,548	0	100	0	1,997
Department of the Interior	105,423	87,023	0	0	13,400	0	0	0	5,000
Department of Transportation	551	0	0	0	153	0	0	0	398
Environmental Protection Agency	2,378	0	0	0	395	0	0	0	1,983
National Aeronautics and Space Admin	2,225	126	0	0	2,099	0	0	0	0
National Science Foundation	14,501	0	0	0	4,466	10,035	0	0	0

See explanatory information, if any, and SOURCE at end of table.

Table C-82. Federal obligations for research and development, by State, agency, and performer: fiscal year 1994

[Dollars in thousands]

State and agency	Total	Intramural[1]	Extramural						
			Industrial firms	FFRDCs admin by industrial firms	Universities and colleges	FFRDCs admin by univs and colleges	Other nonprofit institutions	FFRDCs admin by nonprofit institutions	State and local govts
Puerto Rico, total	50,502	7,216	0	0	30,616	10,035	100	0	2,535
Department of Agriculture	9,608	5,277	0	0	4,331	0	0	0	0
Department of Commerce	446	0	0	0	280	0	0	0	166
Department of Defense, research[2]	622	0	0	0	622	0	0	0	0
Department of Defense, total development[3 4]	771	0	0	0	771	0	0	0	0
Department of Energy	68	0	0	0	68	0	0	0	0
Department of Health & Human Svcs	21,632	0	0	0	19,561	0	100	0	1,971
Department of the Interior	2,039	1,939	0	0	100	0	0	0	0
Department of Transportation	551	0	0	0	153	0	0	0	398
Environmental Protection Agency	395	0	0	0	395	0	0	0	0
National Science Foundation	14,370	0	0	0	4,335	10,035	0	0	0
Other areas, total	115,813	87,678	61	0	20,919	0	0	0	7,155
Department of Agriculture	3,699	0	0	0	3,699	0	0	0	0
Department of Commerce	950	804	0	0	0	0	0	0	146
Department of Defense, research[2]	765	1	61	0	703	0	0	0	0
Department of Defense, total development[3 4]	1,663	1,663	0	0	0	0	0	0	0
Department of Health & Human Svcs	1,013	0	0	0	987	0	0	0	26
Department of the Interior	103,384	85,084	0	0	13,300	0	0	0	5,000
Environmental Protection Agency	1,983	0	0	0	0	0	0	0	1,983
National Aeronautics and Space Admin	2,225	126	0	0	2,099	0	0	0	0
National Science Foundation	131	0	0	0	131	0	0	0	0
Offices abroad, total	23,054	21,354	77	0	496	0	56	0	1,071
Department of Agriculture	3,855	3,855	0	0	0	0	0	0	0
Department of Defense, research[2]	1,847	1,568	5	0	274	0	0	0	0
Department of Defense, total development[3 4]	16,043	15,749	72	0	222	0	0	0	0
Department of Energy	48	48	0	0	0	0	0	0	0
Department of Health & Human Svcs	56	0	0	0	0	0	56	0	0
Department of Transportation	134	134	0	0	0	0	0	0	0
National Aeronautics and Space Admin	1,071	0	0	0	0	0	0	0	1,071

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[1] Includes costs associated with the administration of intramural and extramural programs by Federal personnel as well as actual intramural performance.

[2] Beginning with Vol. 40, Department of Defense (DoD) research is reported separately from DoD development. DoD states that more than 90 percent of its development reported for "universities and colleges" is performed at off-campus, university affiliated laboratories that are not involved in teaching.

[3] Beginning with this volume, Department of Defense development obligations are reported in two categories: advanced technology and major systems. Geographic data for these categories are not reported; therefore, this table shows only total development.

[4] Not all Department of Defense (DoD) agencies with development obligations are able to categorize these obligations according to the advanced technology and major systems development breakdown. Therefore, total DoD development does not equal the sum of total DoD advanced technology development and total DoD major systems development.

NOTE: Only the following 10 agencies are required to report to this section of the survey: the Departments of Agriculture, Commerce, Defense, Energy, Interior, Transportation, and Health and Human Services; the Environmental Protection Agency; the National Aeronautics and Space Administration; and the National Science Foundation. The obligations of the 10 major R&D supporting agencies included in this table represent approximately 98 percent of total Federal R&D and R&D plant obligations in fiscal year 1994.

KEY: FFRDCs = Federally funded research and development centers

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1994, 1995, and 1996

Table C-83. Federal obligations for R&D plant, by State and category of performer supported: fiscal year 1994

[Dollars in thousands]

Page 1 of 1

State	Total	Intra-mural [1]	Extramural						
			Indus-trial firms	FFRDCs admin by indus-trial firms	Univer-sities and colleges	FFRDCs admin by univs and colleges	Other nonprofit institu-tions	FFRDCs admin by non-profit institu-tions	State and local govts
Total	2.152.048	375.842	746.658	119.366	206.908	608.752	20.867	72.890	765
Alabama	94.080	2.824	88.966	0	2.290	0	0	0	0
Alaska	88.015	25	87.870	0	120	0	0	0	0
Arizona	20.795	1.440	1.126	0	1.216	17.013	0	0	0
Arkansas	3.867	127	0	0	3.740	0	0	0	0
California	209.513	10.921	16.813	1.620	15.176	160.793	4.190	0	0
Colorado	36.866	735	4.156	0	4.970	7.765	1.115	18.125	0
Connecticut	3.758	208	0	0	3.459	0	0	0	91
Delaware	1.060	111	0	0	949	0	0	0	0
District of Columbia	11.165	7.266	2.003	0	131	0	1.765	0	0
Florida	101.654	2.897	90.701	0	8.056	0	0	0	0
Georgia	5.280	1.263	48	0	3.131	0	838	0	0
Hawaii	14.299	228	13.560	0	511	0	0	0	0
Idaho	12.461	883	4.473	5.534	1.571	0	0	0	0
Illinois	208.489	4.818	0	0	5.971	197.524	176	0	0
Indiana	4.086	123	576	0	3.387	0	0	0	0
Iowa	10.125	6.264	0	0	748	3.088	0	0	25
Kansas	10.584	191	0	0	10.368	0	0	0	25
Kentucky	3.854	0	3.351	0	503	0	0	0	0
Louisiana	20.978	5.159	15.654	0	165	0	0	0	0
Maine	1.889	370	0	0	1.223	0	296	0	0
Maryland	196.178	133.501	52.959	480	9.238	0	0	0	0
Massachusetts	15.801	1.130	196	0	14.032	0	17	0	426
Michigan	4.523	322	0	0	3.721	0	455	0	25
Minnesota	2.170	369	0	0	1.776	0	0	0	25
Mississippi	31.884	7.193	22.893	0	1.798	0	0	0	0
Missouri	4.733	246	163	0	4.049	0	250	0	25
Montana	3.648	1.181	550	0	1.917	0	0	0	0
Nebraska	996	740	0	0	256	0	0	0	0
Nevada	26.852	81	26.719	0	52	0	0	0	0
New Hampshire	260	260	0	0	0	0	0	0	0
New Jersey	45.302	33.102	4.616	0	5.478	2.103	0	0	3
New Mexico	152.636	90	11.851	68.735	1.149	70.017	0	794	0
New York	183.088	6.627	30.370	0	21.602	121.235	3.254	0	0
North Carolina	39.985	18.675	10.253	0	11.037	0	0	0	20
North Dakota	5.795	2.169	0	0	3.626	0	0	0	0
Ohio	124.141	79.875	42.205	0	2.061	0	0	0	0
Oklahoma	1.912	976	124	0	787	0	0	0	25
Oregon	6.452	605	0	0	5.847	0	0	0	0
Pennsylvania	64.958	2.539	39.647	0	14.378	0	8.394	0	0
Rhode Island	576	0	0	0	576	0	0	0	0
South Carolina	14.744	397	6.731	5.317	2.249	0	0	0	50
South Dakota	5.638	71	5.000	0	567	0	0	0	0
Tennessee	77.447	505	35.435	37.680	2.623	1.179	0	0	25
Texas	56.622	2.733	45.699	0	8.073	0	117	0	0
Utah	6.735	732	2.370	0	3.633	0	0	0	0
Vermont	626	51	0	0	575	0	0	0	0
Virginia	126.649	19.343	75.811	0	3.560	27.935	0	0	0
Washington	71.483	10.834	0	0	6.678	0	0	53.971	0
West Virginia	4.787	950	3.555	0	282	0	0	0	0
Wisconsin	9.642	3.181	214	0	6.247	0	0	0	0
Wyoming	1.848	517	0	0	1.331	0	0	0	0
Outlying areas	463	338	0	0	25	100	0	0	0
Puerto Rico	446	321	0	0	25	100	0	0	0
Other areas	17	17	0	0	0	0	0	0	0
Offices abroad	656	656	0	0	0	0	0	0	0

[1] Federal installations

NOTE: Only the following 10 agencies are required to report to this section of the survey: the Departments of Agriculture, Commerce, Defense, Energy, Interior, Transportation, and Health and Human Services; the Environmental Protection Agency; the National Aeronautics and Space Administration; and the National Science Foundation. The obligations of the 10 major R&D supporting agencies included in this table represent approximately 99 percent of total Federal R&D obligations in fiscal year 1994.

KEY: FFRDCs = Federally funded research and development centers

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1994, 1995, and 1996

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Table C-84. Federal obligations for R&D plant, by State and agency: fiscal year 1994

[Dollars in thousands]

Page 1 of 1

State	Total	Dept of Agriculture	Dept of Commerce	Dept of Defense	Dept of Energy	Dept of Health & Human Services	Dept of the Interior	Dept of Transportation	EPA	NASA	National Science Foundation
Total	2,152,048	125,741	31,117	221,462	911,771	120,230	9,030	40,937	4,764	515,255	171,741
Alabama	94,080	237	0	0	0	0	0	0	0	91,553	2,290
Alaska	88,015	25	0	0	0	0	0	0	0	87,870	120
Arizona	20,795	2,216	0	0	0	0	0	0	0	1,126	17,453
Arkansas	3,867	2,715	0	0	0	0	0	0	0	0	1,152
California	209,513	10,603	0	531	170,375	202	0	253	0	1,200	26,349
Colorado	36,866	834	977	0	18,913	0	0	1,115	0	0	15,027
Connecticut	3,758	195	0	13	2,284	180	0	91	0	0	995
Delaware	1,060	430	0	0	0	0	0	0	0	0	630
District of Columbia	11,165	3,702	270	2,380	1,334	0	0	1,961	382	0	1,136
Florida	101,654	3,084	0	81	0	0	0	0	382	90,319	7,788
Georgia	5,280	2,897	0	0	625	0	0	0	0	48	1,710
Hawaii	14,299	228	0	13,560	511	0	0	0	0	0	0
Idaho	12,461	883	0	455	9,552	0	0	0	0	0	1,571
Illinois	208,489	3,427	0	2,201	197,569	861	0	0	0	0	4,431
Indiana	4,086	123	0	0	402	220	0	0	0	576	2,765
Iowa	10,125	6,264	0	0	3,131	0	0	25	0	0	705
Kansas	10,584	1,355	0	7,700	721	0	0	25	0	0	783
Kentucky	3,854	0	0	0	0	0	0	0	0	3,351	503
Louisiana	20,978	3,759	0	0	165	1,400	0	0	0	15,654	0
Maine	1,889	370	0	0	0	0	0	0	0	0	1,519
Maryland	196,178	11,540	6,954	25,067	12,589	92,046	0	603	0	47,010	369
Massachusetts	15,801	345	21	1,800	4,752	263	0	1,386	0	0	7,234
Michigan	4,523	322	0	0	494	925	0	25	0	0	2,757
Minnesota	2,170	369	0	0	20	0	0	25	0	0	1,756
Mississippi	31,884	7,284	0	0	0	0	0	0	0	22,893	1,707
Missouri	4,733	2,449	0	0	0	250	152	65	0	163	1,654
Montana	3,648	1,987	0	0	550	1,000	0	6	0	0	105
Nebraska	996	740	0	0	0	0	0	0	0	0	256
Nevada	26,852	81	0	0	26,771	0	0	0	0	0	0
New Hampshire	260	260	0	0	0	0	0	0	0	0	0
New Jersey	45,302	2,125	0	0	2,153	77	1,238	33,003	0	3,478	3,228
New Mexico	152,636	864	0	6,221	139,167	0	0	0	0	6,134	250
New York	183,088	8,872	0	0	161,685	977	0	0	0	0	11,554
North Carolina	39,985	3,169	0	0	271	18,935	0	420	2,000	8,103	7,087
North Dakota	5,795	3,831	0	0	0	0	0	0	0	0	1,964
Ohio	124,141	885	8	79,245	492	377	0	225	2,000	39,570	1,339
Oklahoma	1,912	1,190	0	0	252	0	0	25	0	0	445
Oregon	6,452	3,033	0	0	10	102	0	0	0	0	3,307
Pennsylvania	64,958	2,209	0	5,000	26,184	1,339	0	0	0	8,944	21,282
Rhode Island	576	0	0	0	179	0	0	0	0	0	397
South Carolina	14,744	397	0	703	4,649	350	0	50	0	6,731	1,864
South Dakota	5,638	385	0	0	0	0	5,000	0	0	0	253
Tennessee	77,447	1,896	0	35,028	38,678	0	0	511	0	620	714
Texas	56,622	3,100	0	22,882	332	597	0	0	0	25,829	3,882
Utah	6,735	1,484	0	0	0	0	0	0	0	2,370	2,881
Vermont	626	51	0	0	0	0	0	0	0	0	575
Virginia	126,649	1,425	22,887	18,270	27,960	129	1,375	1,123	0	51,499	1,981
Washington	71,483	15,489	0	0	54,054	0	0	0	0	0	1,940
West Virginia	4,787	620	0	0	3,885	0	0	0	0	0	282
Wisconsin	9,642	3,835	0	0	1,037	0	1,265	0	0	214	3,291
Wyoming	1,848	1,488	0	0	0	0	0	0	0	0	360
Outlying areas	463	338	0	0	25	0	0	0	0	0	100
Puerto Rico	446	321	0	0	25	0	0	0	0	0	100
Other areas	17	17	0	0	0	0	0	0	0	0	0
Offices abroad	656	331	0	325	0	0	0	0	0	0	0

NOTE: Only the following 10 agencies are required to report to this section of the survey: the Departments of Agriculture, Commerce, Defense, Energy, Interior, Transportation, and Health and Human Services; the Environmental Protection Agency; the National Aeronautics and Space Administration; and the National Science Foundation. The obligations of the 10 major R&D supporting agencies included in this table represent approximately 99 percent of total Federal R&D obligations in fiscal year 1994.

KEY:
EPA = Environmental Protection Agency
NASA = National Aeronautics & Space Administration

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1994, 1995, and 1996

Table C-85. Federal obligations for total research and development to intramural performers for personnel costs, by agency: fiscal years 1994, 1995, and 1996

[In thousands of dollars and percentages]

Page 1 of 4

Agency and subdivision	1994			Estimates					
				1995			1996		
	Total	Personnel costs	Percent of total	Total	Personnel costs	Percent of total	Total	Personnel costs	Percent of total
Total, all agencies	$16,139,103	$7,990,857	50	$16,962,343	$8,147,764	48	$16,287,345	$8,061,285	49
Departments:									
Department of Agriculture, total	931,225	563,620	61	930,751	580,438	62	937,852	592,194	63
Agricultural Cooperative Service	3,462	3,462	100	0	0	0	0	0	0
Agricultural Marketing Service[1]	4,570	2,606	57	4,755	2,571	54	4,755	2,571	54
Agricultural Research Service[2]	644,782	352,438	55	646,700	360,147	56	647,696	364,524	56
Animal & Plant Health Inspection Service	17,973	14,019	78	17,918	13,976	78	17,717	13,819	78
Cooperative State Research Education, & Extension Svc[3]	23,688	11,988	51	23,098	12,711	55	23,572	13,258	56
Economic Research Service	52,723	41,432	79	51,392	42,660	83	52,490	42,344	81
Grain Inspection Packers & Stockyards Administration[4]	1,791	1,164	65	1,791	1,164	65	2,813	1,828	65
Foreign Agricultural Service[5]	580	580	100	1,067	1,067	100	1,067	1,067	100
Forest Service	171,575	128,337	75	178,100	140,988	79	182,200	148,036	81
Human Nutrition Information Svc[2]	3,923	2,243	57	0	0	0	0	0	0
Nat'l Agricultural Statistics Svc	3,746	2,939	78	3,470	2,694	78	3,542	2,747	78
Rural Business & Coop Dvlpmt Svc	2,412	2,412	100	2,460	2,460	100	2,000	2,000	100
Department of Commerce, total	597,066	378,909	63	663,076	415,116	63	741,825	461,993	62
Bureau of the Census	4,833	3,480	72	5,455	3,928	72	5,677	4,087	72
Economic Development Admin	48	5	10	127	5	4	350	20	6
National Institute of Standards & Technology	182,431	120,470	66	212,994	140,360	66	234,431	154,198	66
National Oceanic & Atmospheric Administration	404,917	250,117	62	438,521	264,844	60	494,844	297,165	60
National Telecommunications & Information Administration	4,837	4,837	100	5,979	5,979	100	6,523	6,523	100
Department of Defense, total	8,016,572	3,589,217	45	8,724,849	3,750,677	43	7,848,219	3,523,845	45
Department of the Army	2,157,426	1,200,502	56	2,190,161	1,275,435	58	1,976,712	1,167,086	59
Department of the Navy	3,062,147	1,303,345	43	3,234,624	1,316,305	41	2,874,855	1,291,761	45
Department of the Air Force	991,818	356,687	36	1,177,790	360,457	31	1,120,504	358,382	32
Defense agencies, total	1,589,053	726,284	46	1,906,663	795,975	42	1,631,064	703,835	43
Advanced Rsch Projects Agency	398,886	299,165	75	482,712	362,034	75	487,431	365,573	75
Ballistic Missile Defense Organization	539,057	151,879	28	495,698	153,961	31	477,154	141,468	30
Defense Info Systems Agency	17,501	5,419	31	17,213	9,039	53	21,302	9,464	44
Defense Logistics Agency	18,174	18,174	100	16,487	9,486	58	14,059	5,671	40
Defense Mapping Agency	3,697	2,070	56	3,577	2,003	56	4,668	2,614	56
Defense Nuclear Agency	64,911	6,491	10	53,062	5,306	10	50,059	5,006	10
Joint Staff[6] [7]	9,415	1	*	1,741	1	*	1,623	1	*
Special Operations Command	76,034	6,330	8	69,824	7,828	11	41,807	4,410	11
Uniformed Svcs University of the Health Sciences	848	1	*	0	0	0	0	0	0
Washington Headquarters Svcs	460,530	236,754	51	766,349	246,317	32	532,961	169,628	32
Operational Test & Evaluation Director	624	244	39	5,132	400	8	8,992	420	5
Test & Evaluation, Deputy Under Secretary Defense	215,504	2,155	1	210,479	2,105	1	236,092	2,361	1
Department of Education	8,959	[illegible],548	84	8,408	6,953	83	8,900	7,338	82
Department of Energy	561,852	133,095	24	622,411	134,009	22	706,731	137,770	19

See explanatory information, if any, and SOURCE at end of table.

Table C-85. Federal obligations for total research and development to intramural performers for personnel costs, by agency: fiscal years 1994, 1995, and 1996

[In thousands of dollars and percentages]

Page 2 of 4

Agency and subdivision	1994			Estimates					
				1995			1996		
	Total	Personnel costs	Percent of total	Total	Personnel costs	Percent of total	Total	Personnel costs	Percent of total
Dept of Health & Human Svcs. total	$2.206.413	$1.094.029	50	$2.274.350	$1.132.320	50	$2.345.353	$1.143.183	49
Administration on Aging[8]	854	577	68	854	577	68	854	577	68
Admin for Children & Families[8]	227	227	100	235	235	100	231	231	100
Agency for Health Care Policy & Research[9]	39.825	19.531	49	39.519	21.300	54	44.388	22.300	50
Centers for Disease Control & Prevention	159.142	135.326	85	166.903	141.922	85	167.089	142.080	85
Food & Drug Administration	153.536	139.718	91	151.428	137.799	91	152.823	139.069	91
Health Care Financing Admin	875	10	1	529	10	2	645	10	2
Health Resources & Svcs Admin	2.849	2.531	89	2.840	2.523	89	2.852	2.533	89
National Institutes of Health	1.828.694	779.822	43	1.892.473	810.385	43	1.972.402	834.314	42
Office of the Assistant Secretary for Health	68	68	100	69	69	100	69	69	100
Office of the Secretary	5.665	1.541	27	4.000	2.000	50	4.000	2.000	50
Social Security Administration[10]	14.678	14.678	100	15.500	15.500	100	0	0	0
Department of Housing & Urban Dvlpmt	21.952	17.000	77	24.495	18.000	73	21.522	16.000	74
Department of the Interior. total	595.203	361.331	61	593.750	374.035	63	595.926	376.480	63
Bureau of Mines	81.256	63.095	78	85.062	64.266	76	74.825	58.611	78
Bureau of Reclamation	6.908	3.498	51	7.268	5.113	70	7.475	3.824	51
Geological Survey	335.035	198.965	59	329.917	196.656	60	339.812	207.284	61
Minerals Management Service	6.598	3.671	56	6.745	3.422	51	7.345	3.467	47
National Biological Service[11]	152.082	85.159	56	152.654	97.531	64	155.110	96.889	62
National Park Service[11]	13.229	6.868	52	12.060	7.012	58	11.340	6.390	56
Office of the Secretary	95	75	79	44	35	80	19	15	79
Department of Justice. total	10.830	8.615	80	16.680	7.719	46	14.345	7.560	53
Bureau of Prisons[12]	2.200	1.600	73	2.400	1.750	73	2.400	1.750	73
Drug Enforcement Administration	150	122	81	150	150	100	132	132	100
Federal Bureau of Investigation	6.985	5.398	77	10.490	5.454	52	10.548	5.512	52
Immigration & Naturalization Svc	40	40	100	40	40	100	40	40	100
Office of Justice Programs	1.455	1.455	100	3.600	325	9	1.225	126	10
Department of Labor. total	9.277	6.365	69	9.857	6.967	71	10.062	7.466	74
Bureau of Labor Statistics	3.100	1.249	40	3.779	1.446	38	4.100	1.693	41
Employment & Training Admin	1.629	1.074	66	1.729	1.184	68	1.399	1.243	89
Occupational Safety & Health Administration	1.182	1.182	100	1.292	1.292	100	1.325	1.325	100
Office of the Secretary	2.395	1.889	79	2.067	2.055	99	2.228	2.195	99
Pension Benefit Guaranty Corporation	229	229	100	233	233	100	238	238	100
Pension & Welfare Benefit Admin	742	742	100	757	757	100	772	772	100
Department of State[13]	350	350	100	364	364	100	379	379	100

See explanatory information. if any. and SOURCE at end of table

Table C-85. Federal obligations for total research and development to intramural performers for personnel costs, by agency: fiscal years 1994, 1995, and 1996

[In thousands of dollars and percentages]

Agency and subdivision	1994			Estimates					
				1995			1996		
	Total	Personnel costs	Per-cent of total	Total	Personnel costs	Per-cent of total	Total	Personnel costs	Per-cent of total
Department of Transportation, total	$203,609	$115,298	57	$202,111	$108,290	54	$244,066	$105,625	43
Coast Guard	15,854	7,599	48	15,327	6,818	44	15,599	6,605	42
Federal Aviation Administration	130,422	92,930	71	138,270	90,117	65	161,780	87,634	54
Federal Highway Administration	20,281	3,190	16	13,018	410	3	0	0	0
Federal Railroad Administration	11,691	1,622	14	9,153	2,121	23	10,337	2,230	22
Federal Transit Administration[14]	5,120	102	2	4,963	99	2	0	0	0
Infrastructure Investment[15]	0	0	0	0	0	0	36,914	1,018	3
Maritime Administration	813	744	92	972	695	72	1,315	717	55
National Highway Traffic Safety Administration	12,892	4,254	33	13,508	4,458	33	10,005	3,302	33
Office of the Secretary	4,605	3,415	74	3,074	1,978	64	3,934	2,169	55
Research & Special Programs Administration	1,931	1,442	75	3,826	1,594	42	4,182	1,950	47
Department of the Treasury, total	14,356	11,724	82	42,163	36,495	87	43,852	37,087	85
Bureau of Engraving & Printing	1,543	159	10	1,365	91	7	2,390	101	4
Internal Revenue Service[16]	10,173	9,044	89	38,336	34,081	89	38,935	34,613	89
Office of Thrift Supervision[17]	481	362	75	558	419	75	654	500	76
United States Customs Service	1,890	1,890	100	1,620	1,620	100	1,620	1,620	100
United States Mint	18	18	100	42	42	100	0	0	0
United States Secret Service[18]	251	251	100	242	242	100	253	253	100
Department of Veterans Affairs	245,629	162,115	66	257,669	170,062	66	256,000	168,960	66
Other agencies:									
Advisory Commission on Intergovernmental Relations	1,355	684	50	1,327	929	70	1,482	1,037	70
Agency for International Dvlpmt	51,389	38,543	75	41,396	31,047	75	25,366	19,025	75
Appalachian Regional Commission	100	100	100	100	100	100	100	100	100
Consumer Product Safety Commission	250	150	60	272	175	64	240	140	58
Environmental Protection Agency	115,061	114,221	99	130,079	129,916	100	150,747	150,570	100
Federal Communications Commission	1,683	1,683	100	2,055	2,055	100	1,804	1,804	100
Federal Trade Commission	705	526	75	934	684	73	982	727	74
Library of Congress	9,975	9,964	100	9,670	6,745	70	9,678	9,373	97
National Aeronautics & Space Admin	2,271,257	1,235,413	54	2,142,861	1,094,763	51	2,026,435	1,128,043	56
National Archives & Records Admin	280	220	79	120	120	100	120	120	100
National Science Foundation	18,068	12,648	70	20,731	14,512	70	22,625	15,838	70
Nuclear Regulatory Commission	13,160	10,409	79	12,861	10,347	80	12,816	10,378	81
Smithsonian Institution	124,176	81,000	65	125,150	81,000	65	129,150	84,000	65
Social Security Administration[10]	0	0	0	0	0	0	16,000	16,000	100
Tennessee Valley Authority	97,855	30,624	31	93,070	27,934	30	103,352	31,876	31

See explanatory information, if any, and SOURCE at end of table.

Table C-85. Federal obligations for total research and development to intramural performers for personnel costs, by agency: fiscal years 1994, 1995, and 1996

[In thousands of dollars and percentages]

Page 4 of 4

Agency and subdivision	1994			Estimates					
				1995			1996		
	Total	Personnel costs	Percent of total	Total	Personnel costs	Percent of total	Total	Personnel costs	Percent of total
US Arms Control & Disarmament Agency[19]	$573	$63	11	$296	$50	17	$296	$50	17
United States Information Agency	559	5	1	317	5	2	300	5	2
US International Trade Commission	9,364	5,388	58	10,170	5,937	58	10,820	6,319	58

[1] Data reported for the Agricultural Marketing Service include funds for the Office of Transportation beginning in 1989.

[2] The Human Nutrition Information Service merged with the Agricultural Research Service on February 20, 1994.

[3] The Cooperative State Research Service merged with the Extension Service on October 19, 1994, due to a reorganization within the Department of Agriculture.

[4] Name changed from Federal Grain Inspection Service on October 20, 1994.

[5] The Office of International Cooperation and Development became part of the Foreign Agricultural Service (FAS) in June of 1994. Data reported for FAS include funds appropriated to International Cooperation and Development programs within FAS as of fiscal year 1995.

[6] The Vol. 44 data for Joint Staff were prorated using Vol. 43 data.

[7] The name of this agency was changed from Joint Chiefs of Staff to Joint Staff in fiscal year 1986.

[8] In fiscal year 1991 Human Development Services was replaced by the Administration for Children and Families and by the Administration on Aging. Beginning in fiscal year 1992, data shown for the Administration for Children and Families are separate from obligations for the Administration on Aging.

[9] In fiscal year 1991 the Agency for Health Care Policy and Research became separate from the Office of the Assistant Secretary for Health.

[10] As of March 31, 1995, the Social Security Administration became an independent agency; it is no longer part of the Department of Health & Human Services.

[11] The National Biological Service's name changed from the National Biological Survey on January 5, 1995. As of fiscal year 1994, the National Biological Service performs all biological research activities formerly funded by the US Fish & Wildlife Service and the National Park Service.

[12] Formerly listed as Federal Prison System.

[13] Increases in outlays and obligations reported by the Department of State during the Vol. 44 survey cycle reflect reporting of monies received through interagency agreements from the Agency for International Development. The Department of State transfers these outlays and obligations to other R&D performers.

[14] Name changed from Urban Mass Transit Administration on December 18, 1991.

[15] Monies estimated for fiscal year 1996 by Infrastructure Investment represent a proposed consolidation of several agencies within the Department of Transportation.

[16] Large changes in obligations reported by the Internal Revenue Service for Vol. 44 are due to the shifts in research funding.

[17] In 1989 the Federal Home Loan Bank Board was replaced by the Office of Thrift Supervision. In 1990 the Office of Thrift Supervision became part of the Department of the Treasury.

[18] Formerly listed as Office of Protective Research.

[19] Fiscal year 1994 figures are estimates based on the Vol. 43 submission.

NOTES: Data for only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal Funds Survey, refer to appendix A.

Increases in personnel costs are due to more complete reporting according to the National Science Foundation's definition of R&D, and not to actual increases in personnel costs.

Because of rounding, detail may not add to totals.

KEY: * = Percentage less than .05%

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1994, 1995, and 1996

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Table C-86. Federal obligations for total basic research to intramural performers for personnel costs, by agency: fiscal years 1994, 1995, and 1996

[In thousands of dollars and percentages]

Page 1 of 2

Agency and subdivision	1994			Estimates					
				1995			1996		
	Total	Personnel costs	Per-cent of total	Total	Personnel costs	Per-cent of total	Total	Personnel costs	Per-cent of total
Total, all agencies	$2,504,957	$1,303,302	52	$2,468,002	$1,244,846	50	$2,505,843	$1,280,944	51
Departments:									
Department of Agriculture, total	395,539	226,839	57	393,394	230,650	59	395,661	234,988	59
Agricultural Research Service[1]	348,182	190,316	55	349,218	194,479	56	349,756	196,843	56
Cooperative State Research, Education, & Extension Svc[2]	10,455	5,431	52	10,283	5,822	57	10,980	6,457	59
Economic Research Service	9,490	7,458	79	5,140	4,266	83	5,249	4,234	81
Foreign Agricultural Service[3]	532	532	100	978	978	100	978	978	100
Forest Service	25,610	22,132	86	26,582	24,216	91	27,482	25,569	93
Nat'l Agricultural Statistics Svc	1,270	970	76	1,193	889	75	1,216	907	75
Department of Commerce, total	36,044	21,481	60	40,500	25,033	62	42,490	27,475	65
Bureau of the Census	309	222	72	365	263	72	367	264	72
National Institute of Standards & Technology	35,735	21,259	59	40,135	24,770	62	42,123	27,211	65
Department of Defense, total	312,036	136,632	44	332,674	148,104	45	300,468	128,730	43
Department of the Army	127,769	55,928	44	143,486	59,621	42	120,865	52,268	43
Department of the Navy	136,788	60,077	44	137,784	60,515	44	136,567	59,980	44
Department of the Air Force	34,025	9,852	29	31,261	9,703	31	33,021	9,092	28
Defense agencies, total	13,454	10,775	80	20,143	18,265	91	10,015	7,390	74
Advanced Rsch Projects Agency	2,604	1,953	75	2,525	1,894	75	2,697	2,023	75
Uniformed Svcs University of the Health Sciences	848	1	*	0	0	0	0	0	0
Washington Headquarters Svcs	10,002	8,821	88	17,618	16,371	93	7,318	5,367	73
Department of Education	223	199	89	172	154	90	144	129	90
Department of Energy	44,402	6,460	15	41,429	6,008	15	45,625	6,369	14
Dept of Health & Human Svcs, total	967,660	444,997	46	1,014,487	462,516	46	1,049,256	476,155	45
Agency for Health Care Policy & Research[4]	8	8	100	8	8	100	7	7	100
Health Resources & Svcs Admin	556	490	88	668	588	88	668	588	88
National Institutes of Health	967,096	444,499	46	1,013,811	461,920	46	1,048,581	475,560	45
Department of the Interior, total	68,677	42,944	63	65,489	42,743	65	67,116	42,448	63
Bureau of Mines	15,537	12,112	78	15,463	11,615	75	16,893	10,593	63
Geological Survey	39,865	23,520	59	37,998	22,799	60	38,691	23,601	61
National Biological Service[5]	12,885	7,000	54	11,638	8,017	69	11,192	7,964	71
National Park Service[5]	390	312	80	390	312	80	340	290	85

See explanatory information, if any, and SOURCE at end of table.

Table C-86. Federal obligations for total basic research to intramural performers for personnel costs, by agency: fiscal years 1994, 1995, and 1996

[In thousands of dollars and percentages]

Page 2 of 2

Agency and subdivision	1994			Estimates					
				1995			1996		
	Total	Personnel costs	Per-cent of total	Total	Personnel costs	Per-cent of total	Total	Personnel costs	Per-cent of total
Department of Justice, total	$867	$867	100	$2.150	$175	8	$500	$45	9
Office of Justice Programs	867	867	100	2,150	175	8	500	45	9
Department of Labor, total	1,629	97	6	2.308	275	12	2.329	282	12
Bureau of Labor Statistics	1 600	68	4	2.279	246	11	2.300	253	11
Employment & Training Admin	29	29	100	29	29	100	29	29	100
Department of State[6]	86	86	100	89	89	100	93	93	100
Department of Transportation, total	1	1	100	1	1	100	492	1	*
Federal Highway Administration	1	1	100	1	1	100	0	0	0
Infrastructure Investment[7]	0	0	0	0	0	0	492	1	*
Department of the Treasury, total	21	6	29	26	9	35	45	10	22
Bureau of Engraving & Printing	21	6	29	26	9	35	45	10	22
Department of Veterans Affairs	14.373	9.486	66	13,500	8.910	66	13.000	8.580	66
Other agencies									
Agency for International Dvlpmt	282	212	75	319	239	75	164	123	75
Environmental Protection Agency	20.859	20,859	100	22,768	22.768	100	26.688	26.688	100
Library of Congress	434	423	97	442	432	98	445	445	100
National Aeronautics & Space Admin	490.977	292.846	60	384.024	196.194	51	398.241	221.686	56
National Archives & Records Admin	150	100	67	0	0	0	0	0	0
National Science Foundation	17,651	12,357	70	20,090	14.062	70	22.146	15.505	70
Smithsonian Institution	124.176	81,000	65	125,150	81,000	65	129.150	84.000	65
Tennessee Valley Authority	8.870	5,410	61	8,990	5.484	61	11.790	7,192	61

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[1] The Human Nutrition Information Service merged with the Agricultural Research Service on February 20, 1994.

[2] The Cooperative State Research Service merged with the Extension Service on October 19, 1994, due to a reorganization within the Department of Agriculture.

[3] The Office of International Cooperation and Development became part of the Foreign Agricultural Service (FAS) in June of 1994. Data reported for FAS include funds appropriated to International Cooperation and Development programs within FAS as of fiscal year 1995.

[4] In fiscal year 1991 the Agency for Health Care Policy and Research became separate from the Office of the Assistant Secretary for Health.

[5] The National Biological Service's name changed from the National Biological Survey on January 5, 1995. As of fiscal year 1994, the National Biological Service performs all biological research activities formerly funded by the US Fish & Wildlife Service and the National Park Service.

[6] Increases in outlays and obligations reported by the Department of State during the Vol. 44 survey cycle reflect reporting of monies received through interagency agreements from the Agency for International Development. The Department of State transfers these outlays and obligations to other R&D performers.

[7] Monies estimated for fiscal year 1996 by Infrastructure Investment represent a proposed consolidation of several agencies within the Department of Transportation.

NOTES: Data for only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal Funds Survey, refer to appendix A.

Increases in personnel costs are due to more complete reporting according to the National Science Foundation's definition of R&D, and not to actual increases in personnel costs.

Because of rounding, detail may not add to totals.

KEY: * = Percentage less than .05%

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1994, 1995, and 1996

Table C-87. Federal obligations for total applied research to intramural performers for personnel costs, by agency: fiscal years 1994, 1995, and 1996

[In thousands of dollars and percentages]

Page 1 of 4

Agency and subdivision	1994			Estimates					
				1995			1996		
	Total	Personnel costs	Percent of total	Total	Personnel costs	Percent of total	Total	Personnel costs	Percent of total
Total, all agencies	$4,983,209	$2,767,542	56	$4,959,489	$2,788,187	56	$4,911,345	$2,858,907	58
Departments									
Department of Agriculture, total	462,217	291,929	63	462,289	303,171	66	467,144	310,226	66
Agricultural Cooperative Service	3,462	3,462	100	0	0	0	0	0	0
Agricultural Marketing Service[1]	3,958	2,162	55	4,141	2,131	51	4,141	2,131	51
Agricultural Research Service[2]	245,016	133,926	55	245,746	136,856	56	246,124	138,519	56
Cooperative State Research, Education, & Extension Svc[3]	13,233	6,557	50	12,815	6,888	54	12,592	6,801	54
Economic Research Service	43,233	33,974	79	46,252	38,394	83	47,241	38,110	81
Grain Inspection Packers & Stockyards Administration[4]	1,791	1,164	65	1,791	1,164	65	2,813	1,828	65
Foreign Agricultural Service[5]	48	48	100	89	89	100	89	89	100
Forest Service	142,665	104,012	73	146,718	113,383	77	149,818	118,908	79
Human Nutrition Information Svc[2]	3,923	2,243	57	0	0	0	0	0	0
Nat'l Agricultural Statistics Svc	2,476	1,989	80	2,277	1,805	79	2,326	1,840	79
Rural Business & Coop Dvlpmt Svc	2,412	2,412	100	2,460	2,460	100	2,000	2,000	100
Department of Commerce, total	505,225	327,315	65	559,860	360,789	64	634,609	404,444	64
Bureau of the Census	2,533	1,824	72	3,028	2,180	72	3,040	2,189	72
Economic Development Admin	48	5	10	127	5	4	350	20	6
National Institute of Standards & Technology	129,885	92,124	71	147,429	107,334	73	162,517	117,917	73
National Oceanic & Atmospheric Administration	367,922	228,525	62	403,297	245,291	61	462,179	277,795	60
National Telecommunications & Information Administration	4,837	4,837	100	5,979	5,979	100	6,523	6,523	100
Department of Defense, total	1,243,909	670,109	54	1,390,473	690,230	50	1,174,380	656,257	56
Department of the Army	448,148	266,543	59	438,158	270,613	62	331,230	229,848	69
Department of the Navy	218,933	126,915	58	246,805	143,073	58	237,184	137,496	58
Department of the Air Force	333,921	219,584	66	394,961	224,220	57	375,586	229,466	61
Defense agencies, total	242,907	57,067	23	310,549	52,324	17	230,380	59,447	26
Advanced Rsch Projects Agency	47,509	35,632	75	52,947	39,710	75	55,167	41,375	75
Ballistic Missile Defense Organization	18,132	2,425	13	19,442	3,031	16	20,147	3,774	19
Defense Info Systems Agency	1,940	1	*	1,426	1	*	1,820	1	*
Defense Logistics Agency	8,897	8,897	100	7,002	1	*	8,389	1	*
Defense Nuclear Agency	45,674	4,567	10	45,414	4,541	10	42,128	4,213	10
Special Operations Command	17,586	224	1	15,768	444	3	11,997	338	3
Washington Headquarters Svcs	103,169	5,321	5	168,550	4,596	3	90,732	9,745	11
Department of Education	6,832	5,716	84	6,501	5,309	82	6,772	5,526	82
Department of Energy	173,261	40,541	23	228,813	48,495	21	242,823	50,165	21

See explanatory information, if any, and SOURCE at end of table.

Table C-87. Federal obligations for total applied research to intramural performers for personnel costs, by agency: fiscal years 1994, 1995, and 1996

[In thousands of dollars and percentages]

Agency and subdivision	1994			Estimates					
				1995			1996		
	Total	Personnel costs	Percent of total	Total	Personnel costs	Percent of total	Total	Personnel costs	Percent of total
Dept of Health & Human Svcs, total	$950,505	$542,205	57	$966,729	$558,644	58	$980,328	$550,532	56
Administration on Aging[5]	171	115	67	171	115	67	171	115	67
Admin for Children & Families[6]	209	209	100	217	217	100	213	213	100
Agency for Health Care Policy & Research[7]	27,466	7,172	26	26,496	8,277	31	28,901	6,813	24
Centers for Disease Control & Prevention	159,142	135,326	85	166,903	141,922	85	167,089	142,080	85
Food & Drug Administration	153,536	139,718	91	151,428	137,799	91	152,823	139,069	91
Health Care Financing Admin	875	10	1	529	10	2	645	10	2
Health Resources & Svcs Admin	1,943	1,691	87	1,822	1,585	87	1,834	1,595	87
National Institutes of Health	586,820	241,745	41	599,663	251,219	42	624,652	258,637	41
Office of the Secretary	5,665	1,541	27	4,000	2,000	50	4,000	2,000	50
Social Security Administration[8]	14,678	14,678	100	15,500	15,500	100	0	0	0
Department of Housing & Urban Dvlpmt	8,089	6,000	74	9,510	7,000	74	9,091	7,000	77
Department of the Interior, total	500,412	300,709	60	497,402	309,536	62	498,851	314,507	63
Bureau of Mines	57,134	43,975	77	57,846	43,673	75	47,026	39,830	85
Bureau of Reclamation	5,060	3,036	60	5,387	3,232	60	5,587	3,352	60
Geological Survey	290,431	172,602	59	287,731	171,344	60	296,929	181,127	61
Minerals Management Service	6,598	3,671	56	6,745	3,422	51	7,345	3,467	47
National Biological Service[9]	128,350	70,869	55	128,023	81,165	63	130,964	80,631	62
National Park Service[9]	12,839	6,556	51	11,670	6,700	57	11,000	6,100	55
Department of Justice, total	2,287	1,837	80	2,337	1,587	68	2,213	1,524	69
Bureau of Prisons[10]	1,750	1,300	74	1,900	1,400	74	1,900	1,400	74
Drug Enforcement Administration	72	72	100	72	72	100	48	48	100
Immigration & Naturalization Svc	40	40	100	40	40	100	40	40	100
Office of Justice Programs	425	425	100	325	75	23	225	36	16
Department of Labor, total	6,467	5,267	81	6,213	5,568	90	6,261	5,875	94
Bureau of Labor Statistics	1,500	1,181	79	1,500	1,200	80	1,800	1,440	80
Employment & Training Admin	900	345	38	700	355	51	370	364	98
Occupational Safety & Health Administration	1,182	1,182	100	1,292	1,292	100	1,325	1,325	100
Office of the Secretary	2,092	1,766	84	1,912	1,912	100	1,941	1,921	99
Pension Benefit Guaranty Corporation	51	51	100	52	52	100	53	53	100
Pension & Welfare Benefit Admin	742	742	100	757	757	100	772	772	100
Department of State[11]	264	264	100	275	275	100	286	286	100

See explanatory information, if any, and SOURCE at end of table.

Table C-87. Federal obligations for total applied research to intramural performers for personnel costs, by agency: fiscal years 1994, 1995, and 1996

[In thousands of dollars and percentages]

Page 3 of 4

Agency and subdivision	1994			Estimates					
				1995			1996		
	Total	Personnel costs	Percent of total	Total	Personnel costs	Percent of total	Total	Personnel costs	Percent of total
Department of Transportation, total	$85,628	$30,186	35	$91,265	$31,288	34	$94,054	$29,592	31
Coast Guard	3,769	2,573	68	3,659	2,517	69	3,744	2,481	66
Federal Aviation Administration	41,823	18,559	44	48,492	20,484	42	39,731	19,951	50
Federal Highway Administration	12,626	1,874	15	13,016	408	3	0	0	0
Federal Railroad Administration	10,494	1,265	12	6,861	1,760	26	7,250	1,338	18
Federal Transit Administration[1,2]	2,195	44	2	2,798	56	2	0	0	0
Infrastructure Investment[3]	0	0	0	0	0	0	30,217	880	3
Maritime Administration	813	744	92	972	695	72	1,315	717	55
National Highway Traffic Safety Administration	12,892	4,254	33	13,508	4,458	33	10,005	3,302	33
Office of the Secretary	155	155	100	160	160	100	165	165	100
Research & Special Programs Administration	861	718	83	1,799	750	42	1,627	758	47
Department of the Treasury, total	7,254	5,260	73	33,968	29,253	86	35,545	29,883	84
Bureau of Engraving & Printing	1,440	119	8	1,083	55	5	1,954	61	3
Internal Revenue Service[4]	4,992	4,438	89	31,965	28,417	89	32,564	28,949	89
Office of Thrift Supervision[5]	481	362	75	558	419	75	654	500	76
United States Customs Service	90	90	100	120	120	100	120	120	100
United States Secret Service[6]	251	251	100	242	242	100	253	253	100
Department of Veterans Affairs	208,156	137,383	66	219,419	144,817	66	217,650	143,649	66
Other agencies:									
Advisory Commission on Intergovernmental Relations	1,355	684	50	1,327	929	70	1,482	1,037	70
Agency for International Dvlpmt	44,985	33,739	75	34,623	25,967	75	21,632	16,224	75
Appalachian Regional Commission	100	100	100	100	100	100	100	100	100
Consumer Product Safety Commission	65	65	100	0	0	0	0	0	0
Environmental Protection Agency	61,938	61,938	100	69,276	69,276	100	82,824	82,824	100
Federal Communications Commission	1,683	1,683	100	2,055	2,055	100	1,804	1,804	100
Federal Trade Commission	705	526	75	934	684	73	982	727	74
Library of Congress	1,466	1,466	100	1,457	1,134	78	1,462	1,157	79
National Aeronautics & Space Admin	669,163	279,835	42	332,878	170,063	51	370,881	206,456	56
National Archives & Records Admin	130	120	92	120	120	100	120	120	100
National Science Foundation	417	291	70	641	450	70	479	333	70
Nuclear Regulatory Commission	13,160	10,409	79	12,861	10,347	80	12,816	10,378	81
Social Security Administration[8]	0	0	0	0	0	0	16,000	16,000	100
Tennessee Valley Authority	17,040	6,509	38	17,380	5,108	29	19,340	5,907	31

See explanatory information, if any, and SOURCE at end of table.

Table C-87. Federal obligations for total applied research to intramural performers for personnel costs, by agency: fiscal years 1994, 1995, and 1996

[In thousands of dollars and percentages]

Page 4 of 4

Agency and subdivision	1994			Estimates					
				1995			1996		
	Total	Personnel costs	Percent of total	Total	Personnel costs	Percent of total	Total	Personnel costs	Percent of total
US Arms Control & Disarmament Agency[17]	$573	$63	11	$296	$50	17	$296	$50	17
United States Information Agency	559	5	1	317	5	2	300	5	2
US International Trade Commission	9,364	5,388	58	10,170	5,937	58	10,820	6,319	58

---

[1] Data reported for the Agricultural Marketing Service include funds for the Office of Transportation beginning in 1989.

[2] The Human Nutrition Information Service merged with the Agricultural Research Service on February 20, 1994.

[3] The Cooperative State Research Service merged with the Extension Service on October 19, 1994, due to a reorganization within the Department of Agriculture.

[4] Name changed from Federal Grain Inspection Service on October 20, 1994.

[5] The Office of International Cooperation and Development became part of the Foreign Agricultural Service (FAS) in June of 1994. Data reported for FAS include funds appropriated to International Cooperation and Development programs within FAS as of fiscal year 1995.

[6] In fiscal year 1991 Human Development Services was replaced by the Administration for Children and Families and by the Administration on Aging. Beginning in fiscal year 1992, data shown for the Administration for Children and Families are separate from obligations for the Administration on Aging.

[7] In fiscal year 1991 the Agency for Health Care Policy and Research became separate from the Office of the Assistant Secretary for Health.

[8] As of March 31, 1995, the Social Security Administration became an independent agency; it is no longer part of the Department of Health & Human Services.

[9] The National Biological Service's name changed from the National Biological Survey on January 5, 1995. As of fiscal year 1994, the National Biological Service performs all biological research activities formerly funded by the US Fish & Wildlife Service and the National Park Service.

[10] Formerly listed as Federal Prison System.

[11] Increases in outlays and obligations reported by the Department of State during the Vol. 44 survey cycle reflect reporting of monies received through interagency agreements from the Agency for International Development. The Department of State transfers these outlays and obligations to other R&D performers.

[12] Name changed from Urban Mass Transit Administration on December 18, 1991.

[13] Monies estimated for fiscal year 1996 by Infrastructure Investment represent a proposed consolidation of several agencies within the Department of Transportation.

[14] Large changes in obligations reported by the Internal Revenue Service for Vol. 44 are due to the shifts in research funding.

[15] In 1989 the Federal Home Loan Bank Board was replaced by the Office of Thrift Supervision. In 1990 the Office of Thrift Supervision became part of the Department of the Treasury.

[16] Formerly listed as Office of Protective Research.

[17] Fiscal year 1994 figures are estimates based on the Vol. 43 submission.

NOTES: Data for only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal Funds Survey, refer to appendix A.

Increases in personnel costs are due to more complete reporting according to the National Science Foundation's definition of R&D, and not to actual increases in personnel costs.

Because of rounding, detail may not add to totals.

KEY: * = Percentage less than .05%

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1994, 1995, and 1996

Table C-88. Federal obligations for total development to intramural performers for personnel costs, by agency: fiscal years 1994, 1995, and 1996

[In thousands of dollars and percentages]

Page 1 of 3

Agency and subdivision	1994			Estimates					
				1995			1996		
	Total	Personnel costs	Per-cent of total	Total	Personnel costs	Per-cent of total	Total	Personnel costs	Per-cent of total
Total, all agencies	$8.650.937	$3.920.013	45	$9.534.852	$4.114.731	43	$8.870.157	$3.921.434	44
Departments:									
Department of Agriculture, total	73.469	44.852	61	75.068	46.617	62	75.047	46.980	63
Agricultural Marketing Service[1]	612	444	73	614	440	72	614	440	72
Agricultural Research Service[2]	51.584	28.196	55	51.736	28.812	56	51.816	29.162	56
Animal & Plant Health Inspection Service	17.973	14.019	78	17.918	13.976	78	17.717	13.819	78
Forest Service	3.300	2.193	66	4.800	3.389	71	4.900	3.559	73
Department of Commerce, total	55.797	30.113	54	62.716	29.294	47	64.726	30.074	46
Bureau of the Census	1.991	1,434	72	2.062	1.485	72	2.270	1.634	72
National Institute of Standards & Technology	16.811	7.087	42	25.430	8.256	32	29.791	9.070	30
National Oceanic & Atmospheric Administration	36.995	21.592	58	35.224	19.553	56	32.665	19.370	59
Department of Defense, total[3]	6.460.627	2.782.476	43	7.001.702	2.912.343	42	6.373.371	2.738.858	43
Department of the Army	1.581.509	878.031	56	1.608.517	945.201	59	1.524.617	884.970	58
Department of the Navy	2.706.426	1.116.353	41	2.850.035	1.112.717	39	2.501.104	1.094.285	44
Department of the Air Force	623.872	127.251	20	751.568	126.534	17	711.897	119.824	17
Defense agencies, total	1.332.692	658.442	49	1.575.971	725.386	46	1.390.669	636.998	46
Advanced Rsch Projects Agency	348.773	261.580	75	427.240	320.430	75	429.567	322.175	75
Ballistic Missile Defense Organization	520.925	149.454	29	476.256	150.930	32	457.007	137.694	30
Defense Info Systems Agency	15.561	5.418	35	15.787	9.038	57	19.482	9.463	49
Defense Logistics Agency	9.277	9.277	100	9.485	9.485	100	5.670	5.670	100
Defense Mapping Agency	3.697	2.070	56	3.577	2.003	56	4.668	2.614	56
Defense Nuclear Agency	19.237	1.924	10	7.648	765	10	7.931	793	10
Joint Staff[4] [5]	9.415	1	*	1.741	1	*	1.623	1	*
Special Operations Command	58.448	6.106	10	54.056	7.384	14	29.810	4.072	14
Washington Headquarters Svcs	347.359	222.612	64	580.181	225.350	39	434.911	154.516	36
Operational Test & Evaluation, Director	624	244	39	5.132	400	8	8.992	420	5
Test & Evaluation, Deputy Under Secretary Defense	215.504	2.155	1	210.479	2.105	1	236.092	2.361	1
Department of Education	1.904	1.633	86	1.735	1.490	86	1.984	1.683	85
Department of Energy	344.189	86.094	25	352.169	79.506	23	418.283	81.236	19

See explanatory information, if any, and SOURCE at end of table.

Table C-88. Federal obligations for total development to intramural performers for personnel costs, by agency: fiscal years 1994, 1995, and 1996

[In thousands of dollars and percentages]

Page 2 of 3

Agency and subdivision	1994			Estimates					
				1995			1996		
	Total	Personnel costs	Per cent of total	Total	Personnel costs	Per cent of total	Total	Personnel costs	Per cent of total
Dept of Health & Human Svcs. total	$288,248	$106,827	37	$293,134	$111,160	38	$315,769	$116,496	37
Administration on Aging[6]	683	462	68	683	462	68	683	462	68
Admin for Children & Families[6]	18	18	100	18	18	100	18	18	100
Agency for Health Care Policy & Research[7]	12,351	12,351	100	13,015	13,015	100	15,480	15,480	100
Health Resources & Svcs Admin	350	350	100	350	350	100	350	350	100
National Institutes of Health	274,778	93,578	34	278,999	97,246	35	299,169	100,117	33
Office of the Assistant Secretary for Health	68	68	100	69	69	100	69	69	100
Department of Housing & Urban Dvlpmt	13,863	11,000	79	14,985	11,000	73	12,431	9,000	72
Department of the Interior. total	26,114	17,678	68	30,859	21,756	71	29,959	19,525	65
Bureau of Mines	8,585	7,008	82	11,753	8,978	76	10,906	8,188	75
Bureau of Reclamation	1,848	462	25	1,881	1,881	100	1,888	472	25
Geological Survey	4,739	2,843	60	4,188	2,513	60	4,192	2,556	61
National Biological Service[8]	10,847	7,290	67	12,993	8,349	64	12,954	8,294	64
Office of the Secretary	95	75	79	44	35	80	19	15	79
Department of Justice. total	7,676	5,911	77	12,193	5,957	49	11,632	5,991	52
Bureau of Prisons[9]	450	300	67	500	350	70	500	350	70
Drug Enforcement Administration	78	50	64	78	78	100	84	84	100
Federal Bureau of Investigation	6,985	5,398	77	10,490	5,454	52	10,548	5,512	52
Office of Justice Programs	163	163	100	1,125	75	7	500	45	9
Department of Labor. total	1,181	1,001	85	1,336	1,124	84	1,472	1,309	89
Employment & Training Admin	700	700	100	1,000	800	80	1,000	850	85
Office of the Secretary	303	123	41	155	143	92	287	274	95
Pension Benefit Guaranty Corporation	178	178	100	181	181	100	185	185	100
Department of Transportation. total	117,980	85,111	72	110,845	77,001	69	149,520	76,032	51
Coast Guard	12,085	5,026	42	11,668	4,301	37	11,855	4,124	35
Federal Aviation Administration	88,599	74,371	84	89,778	69,633	78	122,049	67,683	55
Federal Highway Administration	7,654	1,315	17	1	1	100	0	0	0
Federal Railroad Administration	1,197	357	30	2,292	361	16	3,087	892	29
Federal Transit Administration[10]	2,925	58	2	2,165	43	2	0	0	0
Infrastructure Investment[11]	0	0	0	0	0	0	6,205	137	2
Office of the Secretary	4,450	3,260	73	2,914	1,818	62	3,769	2,004	53
Research & Special Programs Administration	1,070	724	68	2,027	844	42	2,555	1,192	47

See explanatory information, if any, and SOURCE at end of table

Table C-88. Federal obligations for total development to intramural performers for personnel costs, by agency: fiscal years 1994, 1995, and 1996

[In thousands of dollars and percentages]

Page 3 of 3

Agency and subdivision	1994			Estimates					
				1995			1996		
	Total	Personnel costs	Percent of total	Total	Personnel costs	Percent of total	Total	Personnel costs	Percent of total
Department of the Treasury, total	$7,081	$6,458	91	$8,169	$7,233	89	$8,262	$7,194	87
Bureau of Engraving & Printing	82	34	41	256	27	11	391	30	8
Internal Revenue Service[12]	5,181	4,606	89	6,371	5,664	89	6,371	5,664	89
United States Customs Service	1,800	1,800	100	1,500	1,500	100	1,500	1,500	100
United States Mint	18	18	100	42	42	100	0	0	0
Department of Veterans Affairs	23,100	15,246	66	24,750	16,335	66	25,350	16,731	66
Other agencies									
Agency for International Dvlpmt	6,122	4,582	75	6,454	4,841	75	3,570	2,678	75
Consumer Product Safety Commission	185	85	46	272	175	64	240	140	58
Environmental Protection Agency	32,264	31,424	97	38,035	37,872	100	41,235	41,058	100
Library of Congress	8,075	8,075	100	7,771	5,179	67	7,771	7,771	100
National Aeronautics & Space Admin	1,111,117	662,732	60	1,425,959	728,506	51	1,257,313	699,901	56
Tennessee Valley Authority	71,945	18,705	26	66,700	17,342	26	72,222	18,777	26

[1] Data reported for the Agricultural Marketing Service include funds for the Office of Transportation beginning in 1989.

[2] The Human Nutrition Information Service merged with the Agricultural Research Service on February 20, 1994.

[3] Not all Department of Defense (DoD) agencies with development obligations are able to categorize these obligations according to the advanced technology and major systems development breakdown. Therefore, total DoD development does not equal the sum of total DoD advanced technology development and total DoD major systems development.

[4] The name of this agency was changed from Joint Chiefs of Staff to Joint Staff in fiscal year 1986.

[5] The Vol. 44 data for Joint Staff were prorated using Vol. 43 data.

[6] In fiscal year 1991 Human Development Services was replaced by the Administration for Children and Families and by the Administration on Aging. Beginning in fiscal year 1992, data shown for the Administration for Children and Families are separate from obligations for the Administration on Aging.

[7] In fiscal year 1991 the Agency for Health Care Policy and Research became separate from the Office of the Assistant Secretary for Health.

[8] The National Biological Service's name changed from the National Biological Survey on January 5, 1995. As of fiscal year 1994, the National Biological Service performs all biological research activities formerly funded by the US Fish & Wildlife Service and the National Park Service.

[9] Formerly listed as Federal Prison System.

[10] Name changed from Urban Mass Transit Administration on December 18, 1991.

[11] Monies estimated for fiscal year 1996 by Infrastructure Investment represent a proposed consolidation of several agencies within the Department of Transportation.

[12] Large changes in obligations reported by the Internal Revenue Service for Vol. 44 are due to the shifts in research funding.

NOTES: Data for only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal Funds Survey, refer to appendix A.

Beginning with this volume, Department of Defense development obligations are reported in two categories: advanced technology and major systems.

KEY: * = Percentage less than .05%

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1994, 1995, and 1996

Table C-89. Federal outlays for research and development and for R&D plant, by agency: fiscal years 1975-85

[Dollars in millions]

Page 1 of 3

Agency and subdivision	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985
Total, all agencies	19.550.8	2[illegible]20.9	22.882.9	25.127.9	27,041.0	30.635.8	34.065.9	35.766.8	37.959.4	41.330.1	45.860.3
Departments:											
Dept of Agriculture, total	425.6	468.8	537.8	572.4	630.5	687.6	782.5	828.4	858.8	893.5	923.2
Agricultural Coop Svc[1]	1.2	1.4	.0	0	0	1.6	1.3	1.7	2.1	2.2	2.9
Agricultural Marketing Svc[2]	NA	NA	NA	NA	9	1.3	1.2	1.5	6	1.7	1.3
Agricultural Rsch Svc[3] [4]	232.8	247.4	294.6	318.4	331.2	371.6	425.9	436.1	469.4	479.3	492.9
Cooperative State Rsch. Ed. & Extension Svc[5] [6]	95.6	104.2	120.2	134.9	156.6	174.2	199.0	219.8	220.4	239.5	243.6
Economics, Stat & Coop Svc[7]	NA	NA	30.5	32.4	35.6	NA	NA	NA	NA	NA	NA
Economic Research Service	22.2	23.6	NA	NA	NA	NA	38.0	37.0	36.8	40.9	45.1
Economics & Statistics Svc[8]	NA	NA	NA	NA	NA	31.1	NA	NA	NA	NA	NA
Grain Inspection Packers & Stockyards Administration[9]	NA	.0	.0	.0	0	0	.0	0	0	0	9
Forest Service	72.5	90.3	92.5	86.7	105.7	100.6	101.8	116.0	111.1	109.2	113.8
Human Nutrition Info Svc[3]	NA	NA	NA	NA	NA	NA	.0	3.8	5.8	7.9	7.2
National Agricultural Library	1	-	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nat'l Agricultural Stat Svc	1.2	2.0	NA	NA	NA	NA	7.5	7.0	7.6	8.2	8.4
Office of International Cooperation & Devlpmt[10]	NA	NA	NA	NA	0	6.4	6.9	4.6	4.1	3.6	5.8
Office of Transportation[2]	NA	NA	NA	NA	.5	8	.9	9	8	1.0	1.3
Department of Commerce, total	224.6	233.3	238.2	272.7	307.1	360.6	346.8	286.5	335.2	336.3	377.8
National Institute of Standards & Technology	47.2	49.1	53.1	59.0	64.8	77.1	84.4	87.6	94.0	103.3	106.5
National Oceanic & Atmospheric Administration	127.7	134.5	132.6	164.7	190.1	210.6	209.0	174.1	222.0	214.7	249.1
Other Commerce[11]	49.7	49.8	52.5	48.9	52.2	72.9	53.5	24.8	19.2	18.2	22.2
Department of Defense, total	9.363.5	9.445.5	10,308.0	10,935.4	11,733.1	13,706.1	15,993.0	18.482.9	21,373.5	22,999.4	27,143.7
Department of the Army	2,083.0	1,969.6	2,195.0	2,464.3	2,536.2	2,852.9	3,123.7	3,414.4	3,848.5	4,017.4	4,230.0
Department of the Navy	3,126.3	3,320.1	3,582.6	3,919.4	3,926.4	4,507.9	4,916.9	5,394.7	6,023.5	6,859.8	8,304.9
Department of the Air Force	3,567.6	3,625.2	3,902.2	3,969.9	4,428.0	5,323.6	6,756.6	8,209.1	9,640.9	10,849.7	12,263.7
Defense agencies	556.9	507.5	610.5	555.1	814.2	981.4	1,160.0	1,420.0	1,817.3	1,217.8	2,290.0
Defense Civil Preparedness Agency	3.0	2.2	1.2	2.9	NA	NA	NA	NA	NA	NA	NA
Test & Evaluation, Deputy Under Secretary Defense	26.8	20.9	16.5	23.9	28.3	40.4	35.7	44.8	43.3	54.7	55.1
Department of Education	NA	NA	NA	NA	136.5	120.9	111.8	150.1	111.5	181.3	95.7
Department of Energy[12] [13]	NA	NA	3,593.1	4,413.0	4,956.8	5,660.2	6,125.9	5,785.4	5,641.9	5,656.4	5,803.0

See explanatory information, if any, and SOURCE at end of table.

Table C-89. Federal outlays for research and development and for R&D plant, by agency: fiscal years 1975-85

[Dollars in millions]

Page 2 of 3

Agency and subdivision	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985
Department of Health, Education, & Welfare, total	2,168.2	2,615.0	2,622.2	3,070.2	NA	NA	NA	NA	NA	NA	NA
Alcohol, Drug Abuse, & Mental Health Administration	114.1	145.1	167.2	179.9	NA	NA	NA	NA	NA	NA	NA
Nat'l Institute of Education	82.8	69.8	59.7	74.8	NA	NA	NA	NA	NA	NA	NA
National Institutes of Health	1,684.4	2,118.4	2,105.0	2,507.1	NA	NA	NA	NA	NA	NA	NA
Office of Education	53.1	56.8	30.3	25.8	NA	NA	NA	NA	NA	NA	NA
Other Health, Ed. & Welfare	233.8	225.0	260.1	282.6	NA	NA	NA	NA	NA	NA	NA
Department of Health & Human Services, total	NA	NA	NA	NA	3,172.7	3,554.1	3,997.5	4,052.1	4,118.6	4,484.9	5,049.6
Alcohol, Drug Abuse, & Mental Health Administration	NA	NA	NA	NA	184.7	218.1	251.1	292.0	289.8	276.1	349.8
Nat'l Institutes of Health[14]	NA	NA	NA	NA	2,713.4	3,029.3	3,392.2	3,475.0	3,562.9	3,981.1	4,446.3
Other Health & Human Services[15] [16] [17]	NA	NA	NA	NA	274.5	306.8	354.3	285.0	265.8	227.7	253.4
Department of Housing & Urban Development	58.7	60.3	69.0	59.3	74.3	65.8	54.1	37.0	30.9	24.9	18.6
Dept of the Interior, total	266.0	319.7	304.0	339.9	404.3	431.5	436.9	394.9	412.7	435.9	417.0
Bureau of Mines	82.7	113.7	103.7	104.2	121.4	130.8	109.0	105.2	102.0	111.4	100.4
Geological Survey[18]	95.2	115.7	112.2	128.7	144.2	145.2	168.2	150.1	171.4	228.4	230.8
Other Interior[12]	88.1	90.4	88.1	107.0	138.7	155.5	159.7	139.7	139.3	96.1	85.8
Department of Justice, total	43.8	39.9	33.7	33.5	45.9	45.3	26.1	36.6	27.6	26.5	32.7
Office of Justice Programs	39.2	35.2	27.6	27.1	35.5	35.1	19.2	30.4	21.1	19.6	20.1
Other Justice[19]	4.6	4.7	6.2	6.3	10.4	10.2	6.9	6.2	6.5	6.9	12.6
Department of Labor[20]	25.4	27.8	28.1	97.6	109.2	137.7	61.6	29.4	16.8	14.1	13.7
Department of State, total[21]	28.6	27.0	44.1	57.5	3.2	2.2	1.8	1.5	1.5	1.6	1.5
Agcy for Internat'l Dvlpmt[22]	27.4	25.4	41.8	54.6	NA	NA	NA	NA	NA	NA	NA
Other State	1.2	1.6	2.3	2.8	3.2	2.2	1.8	0	0	0	0
Dept of Transportation, total	339.2	335.7	363.5	377.3	372.4	391.0	432.1	360.0	282.3	357.5	430.2
Federal Aviation Admin	113.7	114.6	102.8	100.2	111.4	109.7	125.9	110.9	99.5	167.5	283.7
Federal Highway Admin	26.8	42.9	53.0	52.9	48.9	53.4	59.1	42.5	32.5	51.1	47.5
Federal Railroad Admin	51.1	48.5	57.3	62.4	58.0	63.5	55.0	25.6	18.5	14.7	16.2
Federal Transit Admin[23]	60.9	48.2	52.1	52.5	50.5	58.9	61.9	69.8	36.5	31.2	18.6
National Highway Traffic Safety Administration	36.2	33.8	49.5	68.5	53.6	60.3	60.8	60.2	51.1	53.2	28.0
Other Transportation[11]	50.6	47.7	48.8	40.8	49.9	45.2	69.4	51.0	44.2	39.8	36.2
Dept of the Treasury[24] [25]	1.7	3.8	5.0	9.9	9.6	10.9	10.8	13.6	15.6	13.6	24.3
Department of Veterans Affairs	97.0	109.5	112.8	123.9	123.1	138.6	144.3	140.7	164.7	193.6	222.7

See explanatory information, if any, and SOURCE at end of table.

Table C-89. Federal outlays for research and development and for R&D plant, by agency: fiscal years 1975-85

[Dollars in millions]

Page 3 of 3

Agency and subdivision	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985
Other agencies											
Agcy for Internat'l Dvlpmt[22]	NA	NA	NA	NA	80.3	114.3	166.1	188.6	225.2	207.2	233.0
Energy Rsch & Dvlpmt Admin[13]	2,246.6	2,553.7	NA	NA	NA	NA	NA	NA	NA	NA	NA
Environmental Protection Agency	218.6	265.6	283.0	312.5	388.9	384.7	344.3	336.2	312.5	266.1	274.8
Nat'l Aeronautics & Space Admin	3,266.5	3,669.0	3,449.1	3,432.1	3,395.2	3,605.7	3,705.5	3,252.9	2,646.2	3,730.6	3,217.1
National Science Foundation	600.4	669.1	674.7	738.6	804.6	848.2	905.0	1,015.1	994.7	1,151.0	1,250.0
Nuclear Regulatory Commission	58.5	76.9	107.8	131.7	145.4	182.8	216.0	208.6	244.0	198.6	161.1
All other agencies[26,27,17]	117.9	100.0	109.0	150.5	148.1	187.5	203.7	166.2	145.3	157.3	170.5

[1] Includes programs of the Farmer Cooperative Service for fiscal years 1970-76.

[2] Fiscal year 1979 was the first year in which Congress appropriated funds to the Agricultural Marketing Service. Data reported for the Agricultural Marketing Service include funds for the Office of Transportation beginning in 1989.

[3] The Human Nutrition Information Service merged with the Agricultural Research Service on February 20, 1994.

[4] Includes the former Agriculture Research Service of the Science and Education Administration for fiscal years 1978-80.

[5] Includes former Cooperative State Research Service of the Science and Education Administration for fiscal years 1978-80.

[6] The Cooperative State Research Service merged with the Extension Service on October 19, 1994, due to a reorganization within the Department of Agriculture.

[7] Includes programs of the Economic Research Service, the Statistical Reporting Service, and the Farmer Cooperative Service for fiscal years 1977-79.

[8] Includes programs of the Economic Research Service and the Statistical Reporting Service for fiscal year 1980.

[9] Name changed from Federal Grain Inspection Service on October 20, 1994.

[10] The Office of International Cooperation and Development became part of the Foreign Agricultural Service (FAS) in June of 1994. Data reported for FAS include funds appropriated to International Cooperation and Development programs within FAS as of fiscal year 1994.

[11] In 1981 the Maritime Administration moved from the Department of Commerce to the Department of Transportation.

[12] In fiscal year 1982 the Bonneville Power Administration became part of the Department of Energy.

[13] In 1977 the Energy Research and Development Administration became part of the Department of Energy.

[14] Fiscal year 1992 figures include obligations from the Alcohol, Drug Abuse, and Mental Health Administration. Due to reorganization within the Department of Health and Human Services, the Alcohol, Drug Abuse, and Mental Health Administration ceased to exist as of October 1992, and its research and development functions are reported with the National Institutes of Health data beginning with Vol. 42.

[15] In fiscal year 1991 Human Development Services was replaced by the Administration for Children and Families and by the Administration on Aging. Beginning in fiscal year 1992, data shown for the Administration for Children and Families are separate from obligations for the Administration on Aging. Obligations reported for the Administration for Children and Families may be incomplete for fiscal year 1992 due to unavailability of data.

[16] In fiscal year 1991 the Agency for Health Care Policy and Research became separate from the Office of the Assistant Secretary for Health.

[17] As of March 31, 1995, the Social Security Administration became an independent agency; it is no longer part of the Department of Health & Human Services.

[18] As of 1985 the Office of Water Research and Technology has been combined with the Geological Survey.

[19] The Bureau of Prisons was formerly listed as Federal Prison System.

[20] In 1984 the Labor-Management Services Administration was replaced by Labor-Management Relations and Cooperative Programs.

[21] Increases in outlays and obligations reported by the Department of State during the Vol. 44 survey cycle reflect reporting of monies received through interagency agreements from the Agency for International Development. The Department of State transfers these outlays and obligations to other R&D performers.

[22] Agency for International Development (AID) became separate from the Department of State in 1979. AID includes programs of the International Development Cooperative Agency for fiscal years 1979-81.

[23] Name changed from Urban Mass Transit Administration on December 18, 1991.

[24] In 1989 the Federal Home Loan Bank Board was replaced by the Office of Thrift Supervision. In 1990 the Office of Thrift Supervision became part of the Department of the Treasury.

[25] Due to the reorganization of the Internal Revenue Service and subsequent unavailability of data, fiscal year 1992 figures are taken from estimates made in the Vol. 41 submission. Large changes in obligations reported by this agency for Vol. 44 are due to the shifts in research funding.

[26] As of 1985 the National Archives and Records Administration is separate from the General Services Administration.

[27] Data reported for the US Information Agency include funds for the former International Communication Agency for fiscal years 1977-81.

NOTES: Because of rounding, detail may not add to totals.

Data for only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal Funds Survey, refer to appendix A.

KEY:
- = Amount less than 50 thousand dollars
NA = Not applicable (indicates that the agency or agency subdivision did not exist as such or in that organization in that year)

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1994, 1995, and 1996

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Table C-89a. Federal outlays for research and development and for R&D plant, by agency: fiscal years 1986-96

[Dollars in millions]

Page 1 of 3

Agency and subdivision	1986	1987	1988	1989	1990	1991	1992	1993	1994	Estimates	
										1995	1996
Total, all agencies	52,090.3	53,214.2	56,556.6	61,476.4	64,151.1	63,676.4	65,719.0	68,385.8	68,335.9	69,661.1	70,012.7
Departments											
Dept of Agriculture, total	953.0	994.0	1,049.7	1,129.8	1,196.7	1,269.4	1,382.8	1,453.4	1,486.6	1,538.6	1,556.4
Agricultural Coop Svc[1]	2.6	2.8	2.7	2.8	2.7	2.8	3.4	2.9	3.7	0	0
Agricultural Marketing Svc[2]	1.7	1.4	1.6	1.5	2.7	3.7	4.3	4.7	4.6	4.8	4.8
Agricultural Rsch Svc[3, 4]	500.5	526.5	540.4	579.7	603.4	622.9	686.5	732.6	735.3	771.5	768.2
Animal & Plant Health Inspection Service	4.2	4.9	6.2	7.7	14.0	15.7	16.7	17.1	19.2	19.1	20.9
Cooperative State Rsch. Ed. & Extension Svc[5, 6]	256.5	274.1	294.8	336.9	361.9	395.6	415.1	433.2	456.9	476.3	489.7
Economic Research Service	46.0	43.2	47.2	50.0	50.7	53.0	57.5	61.5	57.3	53.3	54.5
Grain Inspection Packers & Stockyards Administration[7]	1.0	1.2	1.0	1.1	.6	.7	1.8	1.8	1.8	1.8	2.8
Foreign Agricultural Svc[8]	0	0	0	0	0	0	0	0	.8	1.4	1.4
Forest Service	113.5	120.7	138.0	136.4	144.5	159.8	182.0	185.8	195.7	203.3	208.4
Human Nutrition Info Svc[3]	10.6	9.6	8.2	8.4	9.0	8.9	9.7	7.3	5.3	NA	NA
Nat'l Agricultural Stat Svc	8.0	3.5	3.6	2.8	2.7	3.2	3.5	3.9	3.6	3.6	3.6
Office of International Cooperation & Devlpmt[6]	7.5	5.1	5.0	2.5	4.3	3.1	2.4	2.6	NA	NA	NA
Office of Transportation[2]	1.0	1.0	1.1	NA	NA	NA	NA	NA	NA	NA	NA
Rural Business & Coop Development Service	NA	NA	NA	NA	NA	NA	NA	NA	2.4	3.6	2.0
Department of Commerce, total	380.1	311.1	389.4	403.2	441.5	500.7	643.4	652.0	810.3	929.6	1,148.1
National Institute of Standards & Technology	109.2	102.1	111.4	121.5	120.3	144.1	160.6	189.8	237.8	374.3	541.8
National Oceanic & Atmospheric Administration	248.7	189.2	263.5	269.1	306.7	345.3	472.2	452.4	562.9	544.6	594.4
Other Commerce[9]	22.1	19.8	14.5	12.6	14.4	11.2	10.6	9.9	9.6	10.7	11.9
Department of Defense, total	32,491.1	33,611.8	34,573.0	36,869.1	37,140.0	33,447.2	34,631.7	34,525.9	35,179.2	35,165.0	33,985.6
Department of the Army	4,278.5	5,009.7	4,899.6	5,241.3	5,797.1	5,724.5	6,295.2	6,125.3	5,797.8	5,247.3	4,937.0
Department of the Navy	9,939.8	9,422.1	9,081.9	9,559.5	9,453.5	7,902.0	8,115.0	9,187.5	8,213.3	8,881.4	8,675.3
Department of the Air Force	14,133.1	14,101.0	14,774.5	15,390.5	14,888.1	13,043.8	12,532.3	12,287.9	12,799.2	12,797.0	12,713.2
Defense agencies	4,068.2	4,995.8	5,690.3	6,501.3	6,853.6	6,685.3	7,450.3	6,689.7	8,125.3	7,986.1	7,378.7
Operational Test & Evaluation, Directer	0	4.4	7.2	31.6	32.0	22.3	9.4	12.3	11.9	20.0	22.1
Test & Evaluation, Deputy Under Secretary Defense	71.6	78.8	119.6	145.0	115.8	69.4	229.4	223.2	231.8	233.1	259.3
Department of Education	125.3	138.3	142.9	155.7	150.7	117.2	135.5	186.7	179.2	184.9	176.4
Department of Energy[10, 11]	5,381.7	5,432.7	5,743.7	6,039.0	6,365.3	6,827.1	7,232.7	7,668.3	6,896.5	7,115.8	7,411.7

See explanatory information, if any, and SOURCE at end of table.

Table C-89a. Federal outlays for research and development and for R&D plant, by agency: fiscal years 1986-96

[Dollars in millions]

Page 2 of 3

Agency and subdivision	1986	1987	1988	1989	1990	1991	1992	1993	1994	Estimates	
										1995	1996
Department of Health & Human Services, total	5,531.4	5,751.0	6,923.2	7,773.4	8,363.8	9,822.1	9,091.5	10,475.2	10,352.5	11,130.2	11,613.1
Alcohol, Drug Abuse, & Mental Health Administration	396.6	476.1	554.8	695.7	842.7	1,460.6	NA	NA	NA	NA	NA
Nat'l Institutes of Health[12]	4,867.2	4,985.2	6,060.2	6,699.0	7,181.1	7,890.4	8,491.4	9,893.3	9,725.7	10,462.5	10,977.5
Other Health & Human Services[13 14 15]	267.6	289.6	308.2	378.7	340.1	471.1	600.2	581.9	626.7	667.7	635.6
Department of Housing & Urban Development	13.9	19.7	14.9	20.7	21.7	18.1	23.5	28.4	28.5	36.8	40.7
Dept of the Interior, total	445.4	394.7	419.6	485.3	503.0	556.2	628.4	651.8	644.9	654.2	670.0
Bureau of Mines	131.0	91.2	87.6	92.6	96.7	97.7	113.9	111.8	107.9	105.2	86.8
Geological Survey[16]	226.5	211.2	238.6	300.9	301.3	319.5	370.3	385.2	375.5	352.9	363.6
Other Interior[10]	87.9	92.4	93.4	91.7	105.0	139.0	144.2	154.8	161.6	196.2	219.6
Department of Justice, total	32.1	39.0	48.1	36.0	38.2	40.4	42.9	46.2	42.0	46.4	49.6
Office of Justice Programs	19.2	22.4	21.6	22.5	24.0	20.7	24.1	27.2	27.6	28.1	31.8
Other Justice[17]	13.0	16.6	26.5	13.4	14.2	19.7	18.7	19.0	14.4	18.3	17.8
Department of Labor[18]	10.9	20.3	31.8	28.9	45.2	45.6	70.8	57.8	60.7	68.1	68.5
Department of State, total[19]	1.5	3.0	4.2	4.7	4.7	5.9	5.6	5.3	8.2	6.4	5.4
Dept of Transportation, total	445.2	347.7	332.1	291.5	287.3	361.0	411.1	455.3	536.9	643.3	718.0
Federal Aviation Admin	317.6	190.5	190.2	153.5	185.5	216.0	250.7	260.1	258.9	315.6	318.2
Federal Highway Admin	46.1	76.3	60.1	76.5	44.0	86.1	81.2	87.5	178.5	206.0	215.8
Federal Railroad Admin	15.4	10.9	10.6	7.0	7.0	14.3	21.5	22.8	19.6	31.8	32.9
Federal Transit Admin[20]	8.8	9.4	1.4	2.0	2.3	2.1	1.5	16.5	18.5	21.2	21.2
National Highway Traffic Safety Administration	19.1	28.9	45.2	28.5	16.9	19.2	24.5	28.3	26.9	26.3	22.8
Other Transportation[9]	38.2	31.8	24.7	23.9	31.6	23.2	31.7	40.1	34.5	42.3	107.1
Dept of the Treasury[21 22]	23.0	26.4	25.8	23.5	25.2	30.4	24.5	16.6	20.7	53.0	56.0
Department of Veterans Affairs	185.1	198.8	201.9	186.4	219.0	221.6	207.6	250.8	246.0	258.4	267.5

See explanatory information, if any, and SOURCE at end of table.

Table C-89a. Federal outlays for research and development and for R&D plant, by agency: fiscal years 1986-96

[Dollars in millions]

Agency and subdivision	1986	1987	1988	1989	1990	1991	1992	1993	1994	Estimates	
										1995	1996
Other agencies:											
Agcy for Internat'l Dvlpmt[23]	255.5	263.2	229.1	279.1	334.0	344.0	205.9	321.7	372.6	512.7	358.3
Environmental Protection Agency	306.9	325.9	340.0	343.2	388.5	400.1	411.9	497.7	558.3	588.5	681.6
Nat'l Aeronautics & Space Admin	3,730.6	3,564.3	4,230.4	5,506.1	6,762.2	7,675.0	8,386.6	8,885.4	8,576.8	8,272.5	8,465.6
National Science Foundation	1,468.1	1,459.9	1,550.7	1,613.4	1,563.0	1,687.1	1,813.6	1,841.7	1,983.6	2,122.8	2,357.2
Nuclear Regulatory Commission	136.0	124.4	113.5	113.2	111.5	107.5	116.5	119.6	92.4	87.2	82.8
All other agencies[24 25 15]	173.6	188.1	192.5	174.4	189.5	199.8	252.5	245.9	259.9	246.6	300.0

[1] Includes programs of the Farmer Cooperative Service for fiscal years 1970-76.

[2] Fiscal year 1979 was the first year in which Congress appropriated funds to the Agricultural Marketing Service. Data reported for the Agricultural Marketing Service include funds for the Office of Transportation beginning in 1989.

[3] The Human Nutrition Information Service merged with the Agricultural Research Service on February 20, 1994.

[4] Includes the former Agriculture Research Service of the Science and Education Administration for fiscal years 1978-80.

[5] Includes former Cooperative State Research Service of the Science and Education Administration for fiscal years 1978-80.

[6] The Cooperative State Research Service merged with the Extension Service on October 19, 1994, due to a reorganization within the Department of Agriculture.

[7] Name changed from Federal Grain Inspection Service on October 20, 1994.

[8] The Office of International Cooperation and Development became part of the Foreign Agricultural Service (FAS) in June of 1994. Data reported for FAS include funds appropriated to International Cooperation and Development programs within FAS as of fiscal year 1994.

[9] In 1981 the Maritime Administration moved from the Department of Commerce to the Department of Transportation.

[10] In fiscal year 1982 the Bonneville Power Administration became part of the Department of Energy.

[11] In 1977 the Energy Research and Development Administration became part of the Department of Energy.

[12] Fiscal year 1992 figures include obligations from the Alcohol, Drug Abuse, and Mental Health Administration. Due to reorganization within the Department of Health and Human Services, the Alcohol, Drug Abuse, and Mental Health Administration ceased to exist as of October 1992, and its research and development functions are reported with the National Institutes of Health data beginning with Vol. 42.

[13] In fiscal year 1991 Human Development Services was replaced by the Administration for Children and Families and by the Administration on Aging. Beginning in fiscal year 1992, data shown for the Administration for Children and Families are separate from obligations for the Administration on Aging. Obligations reported for the Administration for Children and Families may be incomplete for fiscal year 1992 due to unavailability of data.

[14] In fiscal year 1991 the Agency for Health Care Policy and Research became separate from the Office of the Assistant Secretary for Health.

[15] As of March 31, 1995, the Social Security Administration became an independent agency; it is no longer part of the Department of Health & Human Services.

[16] As of 1985 the Office of Water Research and Technology has been combined with the Geological Survey.

[17] The Bureau of Prisons was formerly listed as Federal Prison System.

[18] In 1984 the Labor-Management Services Administration was replaced by Labor-Management Relations and Cooperative Programs.

[19] Increases in outlays and obligations reported by the Department of State during the Vol. 44 survey cycle reflect reporting of monies received through interagency agreements from the Agency for International Development. The Department of State transfers these outlays and obligations to other R&D performers.

[20] Name changed from Urban Mass Transit Administration on December 18, 1991.

[21] In 1989 the Federal Home Loan Bank Board was replaced by the Office of Thrift Supervision. In 1990 the Office of Thrift Supervision became part of the Department of the Treasury.

[22] Due to the reorganization of the Internal Revenue Service and subsequent unavailability of data, fiscal year 1992 figures are taken from estimates made in the Vol. 41 submission. Large changes in obligations reported by this agency for Vol. 44 are due to the shifts in research funding.

[23] Agency for International Development (AID) became separate from the Department of State in 1979. AID includes programs of the International Development Cooperative Agency for fiscal years 1979-81.

[24] As of 1985 the National Archives and Records Administration is separate from the General Services Administration.

[25] Data reported for the US Information Agency include funds for the former International Communication Agency for fiscal years 1977-81.

NOTES: Because of rounding, detail may not add to totals.

Data for only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal Funds Survey, refer to appendix A.

KEY:
- = Amount less than 50 thousand dollars
NA = Not applicable (indicates that the agency or agency subdivision did not exist as such or in that organization in that year)

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1994, 1995, and 1996.

Table C-90. Federal outlays for research and development, by agency: fiscal years 1975-85

[Dollars in millions]

Page 1 of 3

Agency and subdivision	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985
Total, all agencies	18,721.2	20,220.2	22,082.7	24,020.1	25,838.2	29,154.2	32,459.1	34,390.7	36,659.4	39,691.0	44,171.4
Departments:											
Dept of Agriculture, total	417.7	460.0	515.3	553.8	608.7	659.8	743.4	807.2	826.0	864.3	889.0
Agricultural Coop Svc[1]	1.2	1.4	.0	0	.0	1.6	1.3	1.7	2.1	2.2	2.9
Agricultural Marketing Svc[2]	NA	NA	NA	NA	.9	1.3	1.2	1.5	.6	1.7	1.3
Agricultural Rsch Svc[3] [4]	228.8	242.0	275.6	301.9	312.9	347.5	390.1	417.5	438.7	454.3	466.2
Cooperative State Rsch. Ed. & Extension Svc[5] [6]	95.5	104.2	120.1	134.9	156.6	174.2	199.0	219.8	219.6	235.7	236.7
Economics, Stat & Coop Svc[7]	NA	NA	30.5	32.4	35.6	NA	NA	NA	NA	NA	NA
Economic Research Service	22.2	23.6	NA	NA	NA	NA	38.0	37.0	36.8	40.9	45.1
Economics & Statistics Svc[8]	NA	NA	NA	NA	NA	31.1	NA	NA	NA	NA	NA
Grain Inspection Packers & Stockyards Administration[9]	NA	0	0	0	.0	0	.0	0	.0	0	.9
Forest Service	68.6	86.9	89.0	84.6	102.2	97.0	98.6	113.2	109.8	108.8	113.1
Human Nutrition Info Svc[3]	NA	NA	NA	NA	NA	NA	0	3.8	5.8	7.9	7.2
National Agricultural Library	1	-	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nat'l Agricultural Stat Svc	1.2	2.0	NA	NA	NA	NA	7.5	7.0	7.6	8.2	8.4
Office of International Cooperation & Devlpmt[10]	NA	NA	NA	NA	.0	6.4	6.9	4.6	4.1	3.6	5.8
Office of Transportation[2]	NA	NA	NA	NA	.5	.8	.9	.9	.8	1.0	1.3
Department of Commerce, total	214.1	225.5	232.5	269.2	305.2	355.9	345.5	285.4	334.5	327.0	373.6
National Institute of Standards & Technology	45.3	48.0	52.6	58.1	63.4	76.8	83.9	86.6	93.3	94.1	102.2
National Oceanic & Atmospheric Administration	119.8	129.4	131.2	162.5	190.1	206.7	208.1	174.1	222.0	214.7	249.1
Other Commerce[11]	49.0	48.1	48.8	48.6	51.7	72.3	53.5	24.8	19.2	18.2	22.2
Department of Defense, total	9,210.6	9,301.3	10,182.4	10,622.8	11,497.3	13,501.4	15,754.5	18,251.2	21,105.8	22,619.3	26,742.0
Department of the Army	2,053.1	1,949.0	2,180.2	2,457.5	2,534.1	2,845.3	3,114.8	3,400.9	3,827.0	3,983.0	4,176.6
Department of the Navy	3,078.5	3,260.8	3,519.0	3,870.3	3,873.5	4,417.0	4,824.7	5,269.4	5,886.8	6,709.4	8,161.1
Department of the Air Force	3,513.1	3,568.1	3,862.2	3,719.8	4,283.1	5,220.6	6,626.6	8,141.4	9,537.2	10,658.5	12,063.9
Defense agencies	536.2	500.3	603.3	548.5	798.3	978.2	1,152.6	1,394.8	1,811.5	1,213.6	2,285.2
Defense Civil Preparedness Agency	3.0	2.2	1.2	2.9	NA	NA	NA	NA	NA	NA	NA
Test & Evaluation, Deputy Under Secretary Defense	26.8	20.9	16.5	23.9	28.3	40.4	35.7	44.8	43.3	54.7	55.1
Department of Education	NA	NA	NA	NA	136.5	120.9	111.8	150.1	111.5	181.3	95.7
Department of Energy[12] [13]	NA	NA	3,166.0	3,931.7	4,303.3	4,697.5	5,041.4	4,842.1	4,817.5	4,740.3	4,947.7

See explanatory information, if any, and SOURCE at end of table

Table C-90. Federal outlays for research and development, by agency: fiscal years 1975-85

[Dollars in millions]

Page 2 of 3

Agency and subdivision	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985
Department of Health Education, & Welfare, total	2,082.3	2,562.6	2,576.6	3,002.2	NA	NA	NA	NA	NA	NA	NA
Alcohol, Drug Abuse, & Mental Health Administration	114.1	145.1	167.2	179.9	NA	NA	NA	NA	NA	NA	NA
Nat'l Institute of Education	82.8	69.8	59.7	74.8	NA	NA	NA	NA	NA	NA	NA
National Institutes of Health	1,602.8	2,066.5	2,063.7	2,440.3	NA	NA	NA	NA	NA	NA	NA
Office of Education	53.1	56.8	30.3	25.8	NA	NA	NA	NA	NA	NA	NA
Other Health, Ed. & Welfare	229.5	224.5	255.8	281.4	NA	NA	NA	NA	NA	NA	NA
Department of Health & Human Services, total	NA	NA	NA	NA	3,099.3	3,477.2	3,954.9	4,015.3	4,092.0	4,450.3	5,007.0
Alcohol, Drug Abuse, & Mental Health Administration	NA	NA	NA	NA	184.4	217.9	250.9	291.7	288.8	272.0	348.4
Nat'l Institutes of Health[14]	NA	NA	NA	NA	2,641.0	2,953.2	3,350.2	3,439.6	3,539.5	3,960.6	4,420.1
Other Health & Human Services[15 16 17]	NA	NA	NA	NA	273.9	306.1	353.8	284.0	263.7	217.7	238.4
Department of Housing & Urban Development	58.7	60.3	69.0	59.3	74.3	65.8	54.1	37.0	30.9	24.9	18.6
Dept of the Interior, total	263.6	319.0	299.5	332.3	395.3	422.7	432.8	393.6	410.3	430.7	412.8
Bureau of Mines	82.7	113.7	100.7	104.1	117.1	128.4	106.9	105.0	101.9	111.3	100.4
Geological Survey[18]	95.2	115.7	112.2	128.7	144.2	145.2	168.2	150.1	169.9	227.2	229.9
Other Interior[12]	85.7	89.6	86.6	99.4	134.0	149.2	157.7	138.5	138.5	92.1	82.5
Department of Justice, total	43.8	39.9	33.7	33.5	45.9	45.3	26.1	36.6	27.6	26.5	32.7
Office of Justice Programs	39.2	35.2	27.6	27.1	35.5	35.1	19.2	30.4	21.1	19.6	20.1
Other Justice[19]	4.6	4.7	6.2	6.3	10.4	10.2	6.9	6.2	6.5	6.9	12.6
Department of Labor[20]	25.4	27.8	28.1	97.6	109.2	137.7	61.6	29.4	16.8	14.1	13.7
Department of State, total[21]	28.4	25.9	40.1	57.4	3.2	2.2	1.8	1.5	1.5	1.6	1.5
Agcy for Internat'l Dvlpmt[22]	27.1	24.3	37.8	54.5	NA	NA	NA	NA	NA	NA	NA
Other State	1.2	1.6	2.3	2.8	3.2	2.2	1.8	0	0	0	0
Dept of Transportation, total	324.5	323.6	346.0	364.1	356.2	374.7	415.9	347.0	272.4	344.6	416.1
Federal Aviation Admin	110.9	112.7	99.8	99.2	101.9	104.2	119.8	106.6	90.3	155.1	270.1
Federal Highway Admin	26.4	42.5	52.6	52.5	48.7	53.1	56.3	42.5	32.5	51.1	47.5
Federal Railroad Admin	42.0	40.5	45.6	51.5	51.7	53.2	48.2	17.4	18.3	14.7	16.2
Federal Transit Admin[23]	59.1	46.9	50.4	52.5	50.5	58.9	61.9	69.8	36.5	31.2	18.6
National Highway Traffic Safety Administration	36.2	33.8	49.3	68.3	53.4	60.1	60.3	59.7	50.6	52.7	27.5
Other Transportation[11]	50.0	47.2	48.3	40.1	49.9	45.2	69.4	51.0	44.2	39.8	36.2
Dept of the Treasury[24 25]	1.7	3.7	4.9	9.9	9.5	10.9	10.8	13.6	15.5	13.5	24.2
Department of Veterans Affairs	94.8	97.7	106.9	114.3	120.3	134.4	137.8	137.7	154.1	189.0	215.1

See explanatory information, if any, and SOURCE at end of table.

Table C-90. Federal outlays for research and development, by agency: fiscal years 1975-85

[Dollars in millions]

Agency and subdivision	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985
Other agencies											
Agcy for Internat'l Dvlpmt[22]	NA	NA	NA	NA	75.8	107.8	159.9	178.3	212.8	195.8	220.3
Energy Rsch & Dvlpmt Admin[13]	1,835.4	2,189.5	NA	NA	NA	NA	NA	NA	NA	NA	NA
Environmental Protection Agency	207.2	259.0	281.3	310.3	386.5	384.7	344.3	336.2	312.5	266.1	274.8
Nat'l Aeronautics & Space Admin	3,181.2	3,548.1	3,344.2	3,307.9	3,262.5	3,465.4	3,558.6	3,140.7	2,538.0	3,538.7	2,970.3
National Science Foundation	571.3	619.0	649.6	700.5	775.2	830.6	892.3	1,013.6	991.8	1,108.0	1,186.0
Nuclear Regulatory Commission	55.8	73.3	101.7	125.4	137.5	175.4	208.7	208.6	244.0	198.6	161.1
All other agencies[26, 27, 17]	104.7	84.0	104.9	128.1	136.5	183.8	202.9	165.6	143.9	156.5	169.4

[1] Includes programs of the Farmer Cooperative Service for fiscal years 1970-76.

[2] Fiscal year 1979 was the first year in which Congress appropriated funds to the Agricultural Marketing Service. Data reported for the Agricultural Marketing Service include funds for the Office of Transportation beginning in 1989.

[3] The Human Nutrition Information Service merged with the Agricultural Research Service on February 20, 1994.

[4] Includes the former Agriculture Research Service of the Science and Education Administration for fiscal years 1978-80.

[5] Includes former Cooperative State Research Service of the Science and Education Administration for fiscal years 1978-80.

[6] The Cooperative State Research Service merged with the Extension Service on October 19, 1994, due to a reorganization within the Department of Agriculture.

[7] Includes programs of the Economic Research Service, the Statistical Reporting Service, and the Farmer Cooperative Service for fiscal years 1977-79.

[8] Includes programs of the Economic Research Service and the Statistical Reporting Service for fiscal year 1980.

[9] Name changed from Federal Grain Inspection Service on October 20, 1994.

[10] The Office of International Cooperation and Development became part of the Foreign Agricultural Service (FAS) in June of 1994. Data reported for FAS include funds appropriated to International Cooperation and Development programs within FAS as of fiscal year 1994.

[11] In 1981 the Maritime Administration moved from the Department of Commerce to the Department of Transportation.

[12] In fiscal year 1982 the Bonneville Power Administration became part of the Department of Energy.

[13] In 1977 the Energy Research and Development Administration became part of the Department of Energy.

[14] Fiscal year 1992 figures include obligations from the Alcohol, Drug Abuse, and Mental Health Administration. Due to reorganization within the Department of Health and Human Services, the Alcohol, Drug Abuse, and Mental Health Administration ceased to exist as of October 1992, and its research and development functions are reported with the National Institutes of Health data beginning with Vol. 42.

[15] In fiscal year 1991 Human Development Services was replaced by the Administration for Children and Families and by the Administration on Aging. Beginning in fiscal year 1992, data shown for the Administration for Children and Families are separate from obligations for the Administration on Aging. Obligations reported for the Administration for Children and Families may be incomplete for fiscal year 1992 due to unavailability of data.

[16] In fiscal year 1991 the Agency for Health Care Policy and Research became separate from the Office of the Assistant Secretary for Health.

[17] As of March 31, 1995, the Social Security Administration became an independent agency; it is no longer part of the Department of Health & Human Services.

[18] As of 1985 the Office of Water Research and Technology has been combined with the Geological Survey.

[19] The Bureau of Prisons was formerly listed as Federal Prison System.

[20] In 1984 the Labor-Management Services Administration was replaced by Labor-Management Relations and Cooperative Programs.

[21] Increases in outlays and obligations reported by the Department of State during the Vol. 44 survey cycle reflect reporting of monies received through interagency agreements from the Agency for International Development. The Department of State transfers these outlays and obligations to other R&D performers.

[22] Agency for International Development (AID) became separate from the Department of State in 1979. AID includes programs of the International Development Cooperative Agency for fiscal years 1979-81.

[23] Name changed from Urban Mass Transit Administration on December 18, 1991.

[24] In 1989 the Federal Home Loan Bank Board was replaced by the Office of Thrift Supervision. In 1990 the Office of Thrift Supervision became part of the Department of the Treasury.

[25] Due to the reorganization of the Internal Revenue Service and subsequent unavailability of data, fiscal year 1992 figures are taken from estimates made in the Vol. 41 submission. Large changes in obligations reported by this agency for Vol. 44 are due to the shifts in research funding.

[26] As of 1985 the National Archives and Records Administration is separate from the General Services Administration.

[27] Data reported for the US Information Agency include funds for the former International Communication Agency for fiscal years 1977-81.

NOTES: Because of rounding, detail may not add to totals.

Data for only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal Funds Survey, refer to appendix A.

KEY:
- = Amount less than 50 thousand dollars
NA = Not applicable (indicates that the agency or agency subdivision did not exist as such or in that organization in that year)

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1994, 1995, and 1996.

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Table C-90a. Federal outlays for research and development, by agency: fiscal years 1986-96

[Dollars in millions]

Page 1 of 3

Agency and subdivision	1986	1987	1988	1989	1990	1991	1992	1993	1994	Estimates	
										1995	1996
Total, all agencies	50,609.1	51,611.7	54,739.4	59,450.4	62,135.3	61,130.4	62,934.5	65,241.3	66,158.8	67,399.9	67,652.9
Departments											
Dept of Agriculture, total	918.0	922.9	971.2	1,037.5	1,072.5	1,189.4	1,246.0	1,303.9	1,353.7	1,376.5	1,404.2
Agricultural Coop Svc[1]	2.6	2.8	2.7	2.8	2.7	2.8	3.4	2.9	3.7	0	0
Agricultural Marketing Svc[2]	1.7	1.4	1.6	1.5	2.7	3.7	4.3	4.7	4.6	4.8	4.8
Agricultural Rsch Svc[3] [4]	468.1	463.2	482.1	528.0	548.1	573.5	617.1	643.4	660.0	673.1	679.6
Animal & Plant Health Inspection Service	4.2	4.9	5.6	7.4	8.0	15.7	16.7	17.1	19.2	19.1	18.9
Cooperative State Rsch, Ed & Extension Svc[5] [6]	254.8	267.1	277.3	298.3	303.9	380.1	354.9	379.4	404.1	416.9	433.5
Economic Research Service	46.0	43.2	47.2	50.0	50.7	53.0	57.5	61.5	57.3	53.3	54.5
Grain Inspection Packers & Stockyards Administration[7]	1.0	1.2	1.0	1.1	.6	.7	1.8	1.8	1.8	1.8	2.8
Foreign Agricultural Svc[8]	0	0	0	0	0	0	0	0	.8	1.4	1.4
Forest Service	112.5	119.9	135.8	134.7	139.6	144.7	174.8	179.3	190.8	199.0	203.1
Human Nutrition Info Svc[3]	10.6	9.6	8.2	8.4	9.0	8.9	9.7	7.3	5.3	NA	NA
Nat'l Agricultural Stat Svc	8.0	3.5	3.6	2.8	2.7	3.2	3.5	3.9	3.6	3.6	3.6
Office of International Cooperation & Devlpmt[8]	7.5	5.1	5.0	2.5	4.3	3.1	2.4	2.6	NA	NA	NA
Office of Transportation[2]	1.0	1.0	1.1	NA	NA	NA	NA	NA	NA	NA	NA
Rural Business & Coop Development Service	NA	NA	NA	NA	NA	NA	NA	NA	2.4	3.6	2.0
Department of Commerce, total	372.6	307.0	378.6	394.0	426.8	485.1	622.1	629.6	797.4	914.6	1,113.6
National Institute of Standards & Technology	103.3	100.0	101.3	113.0	112.3	135.9	149.1	180.1	225.2	359.7	507.6
National Oceanic & Atmospheric Administration	247.2	187.1	263.0	268.6	300.1	338.0	462.4	439.5	562.6	544.3	594.1
Other Commerce[9]	22.1	19.8	14.2	12.4	14.4	11.2	10.6	9.9	9.6	10.7	11.9
Department of Defense, total	32,210.5	33,254.4	34,156.8	36,453.4	36,703.2	33,013.5	34,220.8	34,152.7	34,918.2	34,998.1	33,865.9
Department of the Army	4,223.5	4,949.0	4,837.8	5,201.6	5,750.2	5,659.5	6,273.2	6,118.3	5,794.0	5,243.1	4,931.8
Department of the Navy	9,809.1	9,357.1	9,003.1	9,475.0	9,352.3	7,815.0	8,004.0	9,114.0	8,150.5	8,832.5	8,646.5
Department of the Air Force	14,044.0	13,906.8	14,567.0	15,190.8	14,687.9	12,825.5	12,346.1	12,056.9	12,645.5	12,712.2	12,657.0
Defense agencies	4,062.4	4,958.4	5,622.1	6,409.5	6,765.0	6,621.8	7,358.7	6,628.0	8,084.7	7,957.2	7,349.2
Operational Test & Evaluation, Director	0	4.4	7.2	31.6	32.0	22.3	9.4	12.3	11.9	20.0	22.1
Test & Evaluation, Deputy Under Secretary Defense	71.6	78.8	119.6	145.0	115.8	69.4	229.4	223.2	231.8	233.1	259.3
Department of Education	124.5	122.6	131.8	153.4	147.9	114.5	133.0	173.8	177.2	177.7	173.3
Department of Energy[10] [11]	4,655.8	4,711.3	4,984.7	5,200.6	5,508.4	5,727.2	6,034.7	6,185.1	5,974.7	6,224.8	6,449.8

See explanatory information, if any, and SOURCE at end of table.

Table C-90a. Federal outlays for research and development, by agency: fiscal years 1986-96

[Dollars in millions]

Page 2 of 3

Agency and subdivision	1986	1987	1988	1989	1990	1991	1992	1993	1994	Estimates	
										1995	1996
Department of Health & Human Services, total	5,498.7	5,719.5	6,892.5	7,717.4	8,308.7	9,627.3	8,994.8	10,325.9	10,218.2	10,952.5	11,421.9
Alcohol, Drug Abuse, & Mental Health Administration	396.1	475.5	554.8	695.7	842.7	1,460.6	NA	NA	NA	NA	NA
Nat'l Institutes of Health[12]	4,845.0	4,956.2	6,031.2	6,645.0	7,127.0	7,714.0	8,409.2	9,765.1	9,614.8	10,303.1	10,799.1
Other Health & Human Services[12, 14, 15]	257.6	287.7	306.5	376.7	339.1	452.7	585.6	560.8	603.4	649.4	622.8
Department of Housing & Urban Development	13.9	19.7	14.9	20.7	21.7	18.1	23.5	28.4	28.5	36.8	40.7
Dept of the Interior, total	439.3	390.0	414.6	478.4	492.5	535.6	610.6	631.0	637.4	647.6	665.7
Bureau of Mines	131.0	91.2	87.6	90.6	93.6	96.3	113.9	111.8	107.9	105.2	86.8
Geological Survey[16]	225.6	210.4	237.9	299.5	300.0	316.6	365.9	381.2	369.1	347.6	362.2
Other Interior[13]	82.7	88.4	89.1	88.3	98.8	122.7	130.7	138.1	160.4	194.8	216.6
Department of Justice, total	32.1	38.7	48.1	36.0	38.2	40.4	42.9	46.2	42.0	46.4	49.6
Office of Justice Programs	19.2	22.4	21.6	22.5	24.0	20.7	24.1	27.2	27.6	28.1	31.8
Other Justice[17]	13.0	16.3	26.5	13.4	14.2	19.7	18.7	19.0	14.4	18.3	17.8
Department of Labor[18]	10.9	20.3	31.8	28.9	45.2	45.6	70.8	57.8	60.7	68.1	68.5
Department of State, total[19]	1.5	3.0	4.2	4.7	4.7	5.9	5.6	5.3	8.2	6.4	5.4
Dept of Transportation, total	429.8	336.6	321.0	278.6	270.6	342.6	394.0	425.2	519.9	625.1	699.3
Federal Aviation Admin	303.3	180.1	179.6	141.0	169.2	199.6	234.9	234.5	247.2	303.4	305.2
Federal Highway Admin	45.5	76.0	60.1	76.5	44.0	86.1	81.2	87.1	174.7	201.2	211.6
Federal Railroad Admin	15.4	10.9	10.3	6.7	7.0	12.8	20.6	21.6	18.6	31.0	32.3
Federal Transit Admin[20]	8.8	9.4	1.4	2.0	2.3	2.1	1.5	14.3	18.5	21.2	21.2
National Highway Traffic Safety Administration	18.6	28.4	45.2	28.5	16.9	19.2	24.5	28.3	26.9	26.3	22.8
Other Transportation[9]	38.2	31.8	24.4	23.9	31.2	22.8	31.3	39.6	33.9	41.8	106.1
Dept of the Treasury[11, 22]	22.9	26.3	25.7	23.4	25.1	30.3	24.4	16.5	18.9	51.3	53.2
Department of Veterans Affairs	181.2	195.1	197.3	184.9	206.6	213.4	202.1	246.0	240.8	251.3	255.6

See explanatory information, if any, and SOURCE at end of table.

Table C-90a. Federal outlays for research and development, by agency: fiscal years 1986-96

[Dollars in millions]

Page 3 of 3

Agency and subdivision	1986	1987	1988	1989	1990	1991	1992	1993	1994	Estimates	
										1995	1996
Other agencies											
Agcy for Internat'l Dvlpmt[23]	241.5	248.7	216.6	279.1	334.0	344.0	205.9	321.7	372.6	512.7	358.3
Environmental Protection Agency	306.9	325.9	340.0	343.2	388.5	400.1	411.9	495.2	553.5	583.6	676.4
Nat'l Aeronautics & Space Admin	3,431.5	3,250.4	3,831.7	4,974.8	6,324.3	7,071.2	7,616.5	8,087.0	8,023.3	7,652.1	7,906.3
National Science Foundation	1,410.7	1,410.0	1,494.0	1,556.7	1,524.9	1,630.6	1,732.7	1,754.2	1,873.0	1,950.0	2,070.9
Nuclear Regulatory Commission	136.0	124.4	113.5	113.2	111.5	107.5	116.5	119.6	92.4	87.2	82.8
All other agencies[24 25 15]	170.8	185.1	190.4	171.4	180.0	188.1	225.8	236.1	248.2	237.1	291.4

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[1] Includes programs of the Farmer Cooperative Service for fiscal years 1970-76.

[2] Fiscal year 1979 was the first year in which Congress appropriated funds to the Agricultural Marketing Service. Data reported for the Agricultural Marketing Service include funds for the Office of Transportation beginning in 1989.

[3] The Human Nutrition Information Service merged with the Agricultural Research Service on February 20, 1994.

[4] Includes the former Agriculture Research Service of the Science and Education Administration for fiscal years 1978-80.

[5] Includes former Cooperative State Research Service of the Science and Education Administration for fiscal years 1978-80.

[6] The Cooperative State Research Service merged with the Extension Service on October 19, 1994, due to a reorganization within the Department of Agriculture.

[7] Name changed from Federal Grain Inspection Service on October 20, 1994.

[8] The Office of International Cooperation and Development became part of the Foreign Agricultural Service (FAS) in June of 1994. Data reported for FAS include funds appropriated to International Cooperation and Development programs within FAS as of fiscal year 1994.

[9] In 1981 the Maritime Administration moved from the Department of Commerce to the Department of Transportation.

[10] In fiscal year 1982 the Bonneville Power Administration became part of the Department of Energy.

[11] In 1977 the Energy Research and Development Administration became part of the Department of Energy.

[12] Fiscal year 1992 figures include obligations from the Alcohol, Drug Abuse, and Mental Health Administration. Due to reorganization within the Department of Health and Human Services, the Alcohol, Drug Abuse, and Mental Health Administration ceased to exist as of October 1992, and its research and development functions are reported with the National Institutes of Health data beginning with Vol. 42.

[13] In fiscal year 1991 Human Development Services was replaced by the Administration for Children and Families and by the Administration on Aging. Beginning in fiscal year 1992, data shown for the Administration for Children and Families are separate from obligations for the Administration on Aging. Obligations reported for the Administration for Children and Families may be incomplete for fiscal year 1992 due to unavailability of data.

[14] In fiscal year 1991 the Agency for Health Care Policy and Research became separate from the Office of the Assistant Secretary for Health.

[15] As of March 31, 1995, the Social Security Administration became an independent agency; it is no longer part of the Department of Health & Human Services.

[16] As of 1985 the Office of Water Research and Technology has been combined with the Geological Survey.

[17] The Bureau of Prisons was formerly listed as Federal Prison System.

[18] In 1984 the Labor-Management Services Administration was replaced by Labor-Management Relations and Cooperative Programs.

[19] Increases in outlays and obligations reported by the Department of State during the Vol. 44 survey cycle reflect reporting of monies received through interagency agreements from the Agency for International Development. The Department of State transfers these outlays and obligations to other R&D performers.

[20] Name changed from Urban Mass Transit Administration on December 18, 1991.

[21] In 1989 the Federal Home Loan Bank Board was replaced by the Office of Thrift Supervision. In 1990 the Office of Thrift Supervision became part of the Department of the Treasury.

[22] Due to the reorganization of the Internal Revenue Service and subsequent unavailability of data, fiscal year 1992 figures are taken from estimates made in the Vol. 41 submission. Large changes in obligations reported by this agency for Vol. 44 are due to the shifts in research funding.

[23] Agency for International Development (AID) became separate from the Department of State in 1979. AID includes programs of the International Development Cooperative Agency for fiscal years 1979-81.

[24] As of 1985 the National Archives and Records Administration is separate from the General Services Administration.

[25] Data reported for the US Information Agency include funds for the former International Communication Agency for fiscal years 1977-81.

NOTES: Because of rounding, detail may not add to totals.

Data for only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal Funds Survey, refer to appendix A.

KEY: - = Amount less than 50 thousand dollars
NA = Not applicable (indicates that the agency or agency subdivision did not exist as such or in that organization in that year)

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1994, 1995, and 1996.

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Table C-91. Federal outlays for R&D plant, by agency: fiscal years 1975-85

[Dollars in millions]

Page 1 of 1

Agency and subdivision	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985
Total, all agencies	829.7	800.6	800.2	1,107.8	1,202.8	1,481.7	1,606.7	1,376.1	1,299.9	1,639.2	1,688.9
Departments											
Dept of Agriculture, total	7.9	8.8	22.5	18.6	21.7	27.7	39.0	21.3	32.8	29.2	34.3
Department of Commerce, total	10.5	7.8	5.7	3.5	1.9	4.8	1.3	1.0	.7	9.2	4.3
Department of Defense, total	152.9	144.2	125.6	312.6	235.8	204.7	238.5	231.7	267.7	380.1	401.7
Department of the Army	30.0	20.6	14.8	6.8	2.1	7.6	8.9	13.5	21.5	34.4	53.4
Department of the Navy	47.8	59.3	63.6	49.1	52.9	90.9	92.2	125.3	136.7	150.3	143.8
Department of the Air Force	54.5	57.1	40.0	250.1	164.9	103.0	130.0	67.7	103.7	191.2	199.8
Defense agencies	20.6	7.2	7.2	6.6	15.9	3.2	7.4	25.2	5.8	4.2	4.7
Dept of Energy, total[1] [2]	NA	NA	427.1	481.3	653.5	962.8	1,084.5	943.3	824.5	916.1	855.3
Department of Health, Education, & Welfare, total	85.9	52.4	45.6	68.0	NA	NA	NA	NA	NA	NA	NA
Department of Health & Human Services, total[3]	NA	NA	NA	NA	73.4	76.9	42.6	36.8	26.5	34.6	42.6
Dept of the Interior, total	2.4	.8	4.4	7.7	9.0	8.7	4.1	1.3	2.4	5.2	4.2
Department of State, total[4]	.3	1.2	4.0	.1	0	0	0	0	0	0	0
Dept of Transportation, total	14.7	12.1	17.5	13.2	16.2	16.3	16.2	13.0	9.9	12.9	14.1
Dept of the Treasury, total	-	.1	.1	-	-	-	.1	.1	.1	.1	.1
Department of Veterans Affairs	2.2	11.8	5.9	9.7	2.8	4.2	6.5	2.9	10.6	4.6	7.6
Other agencies											
Agcy for Internat'l Dvlpmt[5]	NA	NA	NA	NA	4.5	6.6	6.2	10.3	12.3	11.4	12.8
Energy Rsch & Dvlpmt Admin[2]	411.2	364.2	NA	NA	NA	NA	NA	NA	NA	NA	NA
Environmental Protection Agency	11.3	6.7	1.6	2.2	2.4	0	0	0	0	0	0
Nat'l Aeronautics & Space Admin	85.3	120.9	105.0	124.3	132.7	140.3	146.9	112.2	108.1	191.9	246.8
National Science Foundation	29.1	50.1	25.1	38.0	29.4	17.6	12.7	1.5	2.9	43.0	64.0
Nuclear Regulatory Commission	2.6	3.5	6.1	6.2	8.0	7.4	7.3	0	0	0	0
All other agencies[3]	13.2	16.0	4.0	22.3	11.5	3.7	.8	.6	1.5	.8	1.2

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[1] In fiscal year 1982 the Bonneville Power Administration became part of the Department of Energy.

[2] In 1977 the Energy Research and Development Administration became part of the Department of Energy.

[3] As of March 31, 1995, the Social Security Administration became an independent agency; it is no longer part of the Department of Health & Human Services.

[4] Increases in outlays and obligations reported by the Department of State during the Vol. 44 survey cycle reflect reporting of monies received through interagency agreements from the Agency for International Development. The Department of State transfers these outlays and obligations to other R&D performers.

[5] Agency for International Development (AID) became separate from the Department of State in 1979. AID includes programs of the International Development Cooperative Agency for fiscal years 1979-81.

NOTES: Because of rounding, detail may not add to totals.

Data for only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal Funds Survey, refer to appendix A.

KEY:
- = Amount less than 50 thousand dollars
NA = Not applicable (indicates that the agency or agency subdivision did not exist as such or in that organization in that year)

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1994, 1995, and 1996

Table C-91a. Federal outlays for R&D plant, by agency: fiscal years 1986-96

[Dollars in millions]

Page 1 of 1

Agency and subdivision	1986	1987	1988	1989	1990	1991	1992	1993	1994	Estimates	
										1995	1996
Total, all agencies	1,481.2	1,602.4	1,817.2	2,026.1	2,015.8	2,546.1	2,784.5	3,144.5	2,177.1	2,261.2	2,359.8
Departments											
Dept of Agriculture, total	35.0	71.1	78.5	92.3	124.2	80.1	136.8	149.5	132.9	162.1	152.2
Department of Commerce, total	7.4	4.2	10.9	9.1	14.7	15.5	21.3	22.4	12.9	14.9	34.5
Department of Defense, total	280.6	357.3	416.2	415.6	436.8	433.7	410.9	373.2	261.0	166.9	119.7
Department of the Army	55.0	60.7	61.8	39.7	46.8	65.0	22.0	7.0	3.8	4.2	5.1
Department of the Navy	130.7	65.0	78.8	84.5	101.2	87.0	111.0	73.5	62.9	49.0	28.9
Department of the Air Force	89.1	194.3	207.5	199.7	200.2	218.2	186.3	231.0	153.7	84.9	56.3
Defense agencies	5.8	37.4	68.1	91.8	88.6	63.5	91.6	61.7	40.6	28.8	29.4
Department of Education, total	8	15.8	11.1	2.3	2.8	2.6	2.5	12.8	1.9	7.2	3.1
Dept of Energy, total[1] [2]	725.8	721.3	779.0	838.3	856.9	1,099.8	1,198.0	1,483.2	921.8	891.0	961.9
Department of Health & Human Services, total[3]	32.7	31.5	30.7	56.0	55.1	194.8	96.7	149.3	134.2	177.6	191.2
Dept of the Interior, total	6.1	4.8	5.1	6.8	10.5	20.7	17.8	20.8	7.5	6.7	4.4
Department of Justice, total	0	3	0	0	0	0	0	0	0	0	0
Dept of Transportation, total	15.5	11.2	11.1	12.9	16.7	18.4	17.1	30.0	17.0	18.3	18.7
Dept of the Treasury, total	1	1	1	1	1	1	1	2	1.9	1.7	2.7
Department of Veterans Affairs	3.9	3.7	4.6	1.5	12.4	8.2	5.5	4.8	5.2	7.1	11.9
Other agencies											
Agcy for Internat'l Dvlpmt[4]	14.0	14.4	12.6	0	0	0	0	0	0	0	0
Environmental Protection Agency	0	0	0	0	0	0	0	2.5	4.8	4.9	5.3
Nat'l Aeronautics & Space Admin	299.1	313.9	398.7	531.3	437.9	603.8	770.2	798.4	553.5	620.4	559.3
National Science Foundation	57.3	49.9	56.7	56.7	38.1	56.5	80.9	87.5	110.6	172.8	286.3
All other agencies[3]	2.8	3.0	2.1	3.0	9.5	11.7	26.7	9.8	11.7	9.4	8.6

[1] In fiscal year 1982 the Bonneville Power Administration became part of the Department of Energy

[2] In 1977 the Energy Research and Development Administration became part of the Department of Energy

[3] As of March 31, 1995, the Social Security Administration became an independent agency; it is no longer part of the Department of Health & Human Services.

[4] Agency for International Development (AID) became separate from the Department of State in 1979. AID includes programs of the International Development Cooperative Agency for fiscal years 1979-81.

NOTES: Because of rounding, detail may not add to totals.

Data for only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal Funds Survey, refer to appendix A.

KEY: * = Amount less than 50 thousand dollars
NA = Not applicable (indicates that the agency or agency subdivision did not exist as such or in that organization in that year)

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1994, 1995, and 1996

Table C-92. Federal obligations for research and development and for R&D plant, by agency: fiscal years 1975-85

[Dollars in millions]

Page 1 of 5

Agency and subdivision	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985
Total, all agencies	19,859.5	21,616.4	24,817.6	27,140.8	29,620.6	31,386.1	34,589.6	37,822.4	40,009.0	44,012.1	50,180.4
Departments:											
Dept of Agriculture, total	427.9	478.6	559.9	645.9	685.7	744.5	794.7	818.7	881.5	905.4	983.6
Agricultural Coop Svc[1]	1.2	1.2	0	0	0	1.6	1.7	1.7	2.1	2.2	2.9
Agricultural Marketing Svc[2]	NA	NA	NA	NA	1.0	1.3	1.1	1.2	1.4	1.5	1.7
Agricultural Rsch Svc[3, 4]	221.6	255.3	310.1	347.5	365.0	405.0	411.6	426.0	466.8	480.1	498.7
Cooperative State Rsch, Ed. & Extension Svc[5, 6]	101.1	113.4	127.3	157.4	172.6	184.2	199.4	219.0	242.3	245.7	294.3
Economics, Stat & Coop Svc[7]	NA	NA	30.5	32.7	35.5	NA	NA	NA	NA	NA	NA
Economic Research Svc	21.3	24.0	NA	NA	NA	NA	39.3	39.3	38.8	43.7	46.4
Economics & Statistics Svc[8]	NA	NA	NA	NA	NA	31.1	NA	NA	NA	NA	NA
Grain Inspection Packers & Stockyards Administration[9]	NA	0	0	0	.0	0	0	0	0	.0	.9
Forest Service	81.5	82.8	92.1	108.3	111.0	115.2	129.3	112.5	108.1	108.8	114.8
Human Nutrition Info Svc[3]	NA	NA	NA	NA	NA	NA	0	8.5	8.2	6.0	6.7
Nat'l Agricultural Library	-	-	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nat'l Agricultural Stat Svc	1.2	1.9	NA	NA	NA	NA	7.5	7.0	7.6	8.2	8.4
Office of International Cooperation & Dvlpmt[10]	NA	NA	NA	NA	.0	5.3	3.9	2.6	5.3	8.2	7.7
Office of Transportation[2]	NA	NA	NA	NA	.7	.8	.9	.9	.8	1.0	1.2
Department of Commerce, total	224.9	235.5	251.8	287.7	311.8	347.2	329.3	337.3	335.7	367.6	403.0
Bureau of the Census	1.0	2.5	2.6	3.4	3.1	3.2	3.9	3.8	4.3	4.4	4.9
Economic Development Admin	10.3	15.1	15.0	38.5	43.1	32.3	28.1	9.6	5.3	5.1	13.0
Maritime Administration[11]	23.9	21.2	19.7	20.6	20.5	19.9	NA	NA	NA	NA	NA
Minority Business Dvlpmt Agcy	4.6	2.0	3.4	0	0	0	0	0	0	0	0
National Fire Prevention & Control Administration	3.6	6.4	6.6	NA	NA	NA	NA	NA	NA	NA	NA
National Institute of Standards & Technology	44.6	47.9	53.9	59.1	69.3	76.4	83.0	89.9	95.7	104.9	104.7
National Oceanic & Atmospheric Administration	135.1	139.1	147.2	163.7	171.2	203.6	202.2	222.0	222.0	244.3	269.8
National Telecommunications & Information Administration	NA	NA	2.9	1.8	4.1	10.7	10.9	11.3	8.3	8.7	9.1
Office of Telecommunications	1.3	.9	NA	NA	NA	NA	NA	NA	NA	NA	NA
Office of the Secretary	0	0	0	.0	.1	.6	.0	-	-	.1	1.4
Patent & Trademark Office	.5	.4	.5	.5	.5	.5	1.1	.7	0	.0	0
Department of Defense, total	9,179.6	9,798.1	11,409.0	11,786.2	12,776.4	14,189.2	16,786.3	20,913.1	23,305.3	25,902.1	30,322.4
Department of the Army	1,920.7	2,026.0	2,458.2	2,556.5	2,772.5	2,993.8	3,257.0	3,785.2	4,024.4	4,281.7	4,623.7
Department of the Navy	3,162.8	3,373.8	3,878.6	4,046.7	4,403.1	4,789.3	5,103.9	6,001.0	6,209.9	7,779.0	9,309.5
Department of the Air Force	3,573.1	3,799.6	4,381.1	4,422.4	4,693.1	5,319.0	7,128.8	9,442.6	10,951.3	12,377.0	13,552.2
Defense agencies	497.4	573.9	659.5	724.5	878.4	1,049.2	1,255.6	1,643.3	2,058.1	1,405.7	2,786.3
Defense Civil Preparedness Agency	1.7	.7	1.3	7.5	NA	NA	NA	NA	NA	NA	NA
Test & Evaluation, Deputy Under Secretary Defense	23.9	24.1	30.2	28.6	29.3	37.9	41.1	41.0	61.6	58.6	50.6
Department of Education	NA	NA	NA	NA	166.3	139.4	104.9	128.0	111.7	115.7	126.0
Department of Energy[12, 13]	NA	NA	4,097.2	4,935.5	5,483.2	5,777.8	5,896.4	5,622.2	5,294.4	5,526.0	5,834.4

See explanatory information, if any, and SOURCE at end of table.

Table C-92. Federal obligations for research and development and for R&D plant, by agency: fiscal years 1975-85

[Dollars in millions]

Page 2 of 5

Agency and subdivision	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985
Department of Health Education, & Welfare, total	2,436.5	2,616.7	2,955.9	3,281.5	NA	NA	NA	NA	NA	NA	NA
Alcohol, Drug Abuse, & Mental Health Administration	139.4	139.5	153.0	180.2	NA	NA	NA	NA	NA	NA	NA
Centers for Disease Control & Prevention	42.6	49.6	55.3	60.1	NA	NA	NA	NA	NA	NA	NA
Food & Drug Administration	36.6	38.0	43.7	65.0	NA	NA	NA	NA	NA	NA	NA
Health Care Financing Admin	NA	NA	30.0	19.4	NA	NA	NA	NA	NA	NA	NA
Health Resources Admin	43.3	38.2	7.4	5.5	NA	NA	NA	NA	NA	NA	NA
Health Services Admin	17.3	17.5	17.7	18.2	NA	NA	NA	NA	NA	NA	NA
Nat'l Institute of Education	69.9	63.7	64.9	89.5	NA	NA	NA	NA	NA	NA	NA
Nat'l Institutes of Health	1,918.2	2,092.5	2,411.7	2,654.2	NA	NA	NA	NA	NA	NA	NA
Office of the Assistant Secretary for Education	.6	1.0	1.0	1.3	NA	NA	NA	NA	NA	NA	NA
Office of the Assistant Secretary for Health	0	.0	32.2	36.2	NA	NA	NA	NA	NA	NA	NA
Office of Education	45.9	58.2	31.1	32.9	NA	NA	NA	NA	NA	NA	NA
Off of Human Dvlpmnt Svcs	64.3	61.9	76.8	75.8	NA	NA	NA	NA	NA	NA	NA
Office of the Secretary	26.2	23.7	20.0	30.2	NA	NA	NA	NA	NA	NA	NA
Social & Rehabilitation Svc	9.6	18.6	NA	NA	NA	NA	NA	NA	NA	NA	NA
Social Security Admin	22.6	14.4	11.2	12.9	NA	NA	NA	NA	NA	NA	NA
Department of Health & Human Services, total	NA	NA	NA	NA	3,558.4	3,810.8	3,950.9	3,965.4	4,400.4	4,861.8	5,493.2
Alcohol, Drug Abuse, & Mental Health Administration	NA	NA	NA	NA	214.4	233.5	239.7	251.4	304.0	337.5	377.9
Centers for Disease Control & Prevention	NA	NA	NA	NA	76.3	87.3	74.8	75.0	78.2	46.3	47.6
Food & Drug Administration	NA	NA	NA	NA	66.7	76.6	72.6	75.0	102.7	80.8	95.1
Health Care Financing Admin	NA	NA	NA	NA	31.8	45.7	38.6	29.1	30.2	33.1	33.5
Health Resources Admin	NA	NA	NA	NA	4.9	5.1	5.0	NA	NA	NA	NA
Health Resources & Services Administration	NA	NA	NA	NA	NA	NA	NA	10.1	13.3	18.5	19.7
Health Svcs Administration	NA	NA	NA	NA	28.7	26.7	20.3	NA	NA	NA	NA
Human Development Svcs[14]	NA	NA	NA	NA	57.1	49.3	73.7	27.2	23.4	18.3	24.3
Nat'l Institutes of Health[15]	NA	NA	NA	NA	3,000.8	3,211.2	3,355.5	3,452.6	3,806.8	4,285.2	4,856.5
Office of the Assistant Secretary for Health[16]	NA	NA	NA	NA	34.6	29.9	33.1	16.1	16.6	18.1	18.6
Office of the Secretary	NA	NA	NA	NA	24.7	24.0	19.5	13.4	14.4	10.4	9.6
Social Security Admin[17]	NA	NA	NA	NA	18.3	21.4	18.0	15.5	10.8	13.5	10.4
Dept of Housing & Urban Dvlpmt	62.0	67.6	52.1	69.7	67.9	56.0	48.1	28.9	32.1	18.2	18.5
Dept of the Interior, total	307.2	339.1	319.7	374.0	410.8	418.8	430.6	382.4	384.9	416.1	395.9
Bonneville Power Admin[12]	6.1	7.1	0	.0	0	.0	14.4	NA	NA	NA	NA
Bureau of Land Management	.8	.7	.9	1.2	1.3	1.7	1.9	5.3	3.9	3.8	4.4
Bureau of Mines	107.6	131.3	105.3	121.1	121.3	114.4	97.4	94.8	88.6	108.8	89.9
Bureau of Reclamation	7.8	8.3	9.9	11.2	12.2	14.1	14.3	10.1	10.0	10.4	13.2
Geological Survey[18]	106.6	110.3	117.5	133.7	145.6	146.3	169.8	152.6	158.4	209.9	215.7
Heritage Conservation & Recreation Service	-	-	-	NA	NA	NA	NA	NA	NA	NA	NA
Minerals Management Service	NA	NA	NA	NA	NA	NA	NA	0	1.5	1.5	1.4
National Park Service[19]	8.4	9.3	7.8	7.7	8.9	8.2	10.4	11.2	13.7	14.0	15.0
Office of the Secretary	1.7	1.0	4.5	1.7	1.4	2.[illegible]	1.5	.5	7.4	.1	1.9
Office of Surface Mining Reclamation & Enforcement	NA	NA	.0	2.2	5.0	7.8	5.8	1.5	1.5	.8	2.0
Off of Water Rsch & Tech[18]	19.5	19.0	16.0	28.0	28.0	30.0	21.8	12.3	2.2	3.6	0
US Fish & Wildlife Service[19]	48.8	52.0	57.7	67.2	87.1	94.1	93.3	94.2	97.7	63.3	52.4

See explanatory information, if any, and SOURCE at end of table.

Table C-92. Federal obligations for research and development and for R&D plant, by agency: fiscal years 1975-85

[Dollars in millions]

Page 3 of 5

Agency and subdivision	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985
Department of Justice, total	44.3	33.9	27.7	60.9	43.0	41.5	26.5	26.7	31.4	24.5	36.0
Bureau of Prisons[10]	6	8	1.1	3.6	3.4	2.1	2.5	1.7	1.7	1.6	1.5
Drug Enforcement Admin	1.5	2.5	3.0	1.9	2.4	2.7	1.3	3.2	2.5	1.9	1.6
Fed Bureau of Investigation	1.2	1.2	1.4	1.8	3.1	1.4	7	2.7	2.5	1.0	9.5
Immigration & Naturalization Service	1	1	3	4	2	3	1	6	6	6	4
Office of Justice Programs	40.9	29.2	21.8	51.6	32.2	33.2	21.0	18.0	23.8	19.5	22.7
Office of Legal Policy	0	0	0	1.6	1.7	1.8	8	4	3	0	3
Department of Labor, total	25.4	28.5	29.6	97.8	137.0	138.1	62.2	25.4	19.9	16.3	13.3
Bureau of Labor Statistics	1.8	1.3	1.4	1.2	9	9	3	3	7	5	6
Employment Standards Admin	3.2	4.3	4.4	3.7	5.3	4.9	3.2	1.4	1.4	9	.
Employment & Training Admin	15.5	17.5	16.8	86.6	120.8	121.7	52.4	16.1	9.0	6.1	3.5
Labor-Management Relations & Cooperative Programs[11]	NA	NA	NA	NA	NA	NA	NA	NA	NA	3	3
Labor Management Services Administration[11]	8	7	3.3	2.8	3.2	2.8	1.8	7	9	0	0
Occupational Safety & Health Administration	2.0	2.9	3.4	1.3	5.1	6.3	3.0	4.9	5.3	5.1	4.5
Office of the Secretary	2.0	1.8	2	2.2	1.6	1.4	1.1	9	1.5	1.9	2.6
Pension Benefit Guaranty Corporation	NA	NA	NA	NA	NA	NA	5	1.1	1.1	3	2
Pension & Welfare Benefit Administration	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.2	1.6
Department of State, total[12]	27.9	44.5	77.6	85.4	3.2	2.2	1.8	1.5	1.5	1.6	1.5
Agcy for Internat'l Dvlpmt[13]	26.7	42.9	75.3	82.6	NA	NA	NA	NA	NA	NA	NA
Departmental funds	1.2	1.6	2.3	2.8	3.2	2.2	1.8	0	0	0	0
Dept of Transportation, total	324.8	308.7	377.1	422.4	392.7	384.5	434.5	322.0	369.6	465.2	437.9
Coast Guard	16.5	12.8	19.5	24.4	21.1	18.0	26.3	20.0	19.6	19.5	19.0
Federal Aviation Admin	109.0	100.1	106.4	111.5	120.4	108.8	128.9	99.4	147.6	282.6	294.8
Federal Highway Admin	45.1	29.3	55.9	52.1	53.5	58.3	51.2	40.3	50.4	46.4	49.0
Federal Railroad Admin	39.4	60.5	58.5	65.7	56.1	56.4	46.1	24.5	16.5	19.2	15.0
Federal Transit Admin[14]	49.4	48.8	61.6	69.6	58.0	54.4	78.2	61.4	57.0	20.1	10.2
Maritime Administration[11]	NA	NA	NA	NA	NA	NA	14.2	11.1	15.0	9.9	13.9
National Highway Traffic Safety Administration	34.0	31.4	47.2	66.5	56.8	63.8	66.4	55.9	52.5	57.4	28.6
Office of the Secretary	31.3	25.8	28.0	31.7	11.7	10.8	10.1	3.3	4.9	4.9	4.8
Research & Special Programs Administration	NA	NA	0	9	15.0	14.0	13.1	6.1	6.2	5.2	2.7

See explanatory information, if any, and SOURCE at end of table.

Table C-92. Federal obligations for research and development and for R&D plant, by agency: fiscal years 1975-85

[Dollars in millions]

Page 4 of 5

Agency and subdivision	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985
Dept of the Treasury, total	1.7	3.8	4.9	9.9	9.6	12.1	11.4	13.4	15.6	13.9	24.4
Bureau of Alcohol, Tobacco & Firearms	.0	.0	1.1	2.0	2.5	1.6	.3	NA	NA	NA	NA
Bureau of Engraving & Printing	1.7	2.8	2.5	3.7	2.1	2.3	2.7	4.8	3.9	3.6	5.0
Internal Revenue Svc[25]	.0	.0	.0	2.4	3.6	4.0	4.2	5.4	8.0	8.2	15.9
United States Customs Svc	.0	1.1	1.3	1.8	1.4	3.9	3.5	3.2	3.4	1.9	2.3
United States Mint	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6
United States Secret Svc[26]	NA	NA	NA	NA	NA	.4	.6	.0	.3	.2	.6
Department of Veterans Affairs	97.0	109.5	112.9	118.1	132.1	137.8	159.2	140.1	171.9	196.4	229.9
Other agencies											
Action	.2	.1	.5	1.6	1.6	.0	.0	.0	.0	.0	.0
Advisory Commission on Intergovernmental Relations	1.2	1.0	1.5	1.7	1.7	2.2	2.2	2.0	2.1	2.1	2.4
Agcy for Internat'l Dvlpmt[23]	NA	NA	NA	NA	112.9	155.6	142.2	205.9	232.0	245.0	227.2
Appalachian Regional Commission	NA	.7	.7	.5	.9	.8	.4	.4	.2	.5	.2
Civil Service Commission	4.4	4.0	3.9	NA	NA	NA	NA	NA	NA	NA	NA
Community Services Admin	23.1	10.2	24.0	24.3	20.7	30.3	18.3	NA	NA	NA	NA
Consumer Product Safety Comm	7.9	5.8	6.7	4.1	6.6	6.2	.5	.2	.5	1.3	2.4
Energy Rsch & Dvlpmt Admin[13]	2,439.9	2,902.6	NA	NA	NA	NA	NA	NA	NA	NA	NA
Environmental Protection Agency	259.7	265.4	297.6	389.3	412.5	345.0	325.7	335.1	240.7	261.2	320.4
Federal Communications Comm	1.1	1.5	2.0	2.4	2.9	3.4	1.8	1.2	1.3	.9	1.2
Federal Emergency Management Agency	NA	NA	NA	7.0	12.6	11.8	11.6	9.2	3.3	11.5	4.1
Federal Energy Administration	1.3	3.0	NA	NA	NA	NA	NA	NA	NA	NA	NA
Fed Home Loan Bank Board[27]	.7	.8	1.7	1.0	.9	1.2	1.0	2.7	3.0	2.6	2.8
Federal Trade Commission	.9	.9	1.1	1.4	1.5	3.0	1.1	1.2	1.4	1.6	1.7
General Services Admin[28]	1.8	1.1	.9	2.7	.5	.2	.6	1.0	.5	2.4	.4
Interstate Commerce Comm	.0	.1	.1	.3	.2	.1	.0	.0	.0	.0	.0
Library of Congress	2.6	3.0	3.8	4.9	5.9	6.9	4.9	5.7	7.4	7.5	7.1
National Aeronautics & Space Administration	3,207.1	3,529.0	3,288.9	3,495.6	3,725.9	3,393.2	3,708.9	3,191.6	2,762.3	3,066.1	3,561.5
National Archives & Records Administration[28]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	.5
National Science Foundation	618.1	661.8	724.1	788.5	838.1	900.5	976.2	976.8	1,065.2	1,248.0	1,419.1
Nuclear Regulatory Commission	67.2	98.1	119.4	140.8	157.4	190.4	227.3	220.3	207.3	190.7	150.0
Office of Personnel Management	NA	NA	NA	4.5	6.0	6.8	8.4	.0	.0	.0	.0
Office of Telecomm Policy	4.1	4.6	NA	NA	NA	NA	NA	NA	NA	NA	NA
Office of Thrift Supervision[27]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Small Business Administration	.2	.1	.5	.0	.0	.0	.0	.0	.0	.0	.0
Smithsonian Institution	25.2	26.2	29.8	35.1	37.9	41.9	45.3	52.9	57.0	63.8	72.7
Special Action Office for Drug Abuse Prevention	3.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tennessee Valley Authority	28.8	28.9	30.2	53.4	89.2	80.7	69.3	85.3	63.3	68.3	80.0

See explanatory information, if any, and SOURCE at end of table.

Table C-92. Federal obligations for research and development and for R&D plant, by agency: fiscal years 1975-85

[Dollars in millions]

Page 5 of 5

Agency and subdivision	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985
United States Arms Control & Disarmament Agency[29]	1.0	1.4	2.2	3.6	3.5	3.3	2.4	1.9	1.0	1.3	1.1
US Information Agency[30]	.1	.1	.1	.1	.1	.1	1.5	.1	-	1.4	.1
US Internat'l Trade Commission	0	1.5	2.6	3.1	3.4	2.1	3.4	3.8	4.7	5.0	5.8

[1] Includes programs of the Farmer Cooperative Service for fiscal years 1970-76

[2] Fiscal year 1979 was the first year in which Congress appropriated funds to the Agricultural Marketing Service. Data reported for the Agricultural Marketing Service include funds for the Office of Transportation beginning in 1989.

[3] The Human Nutrition Information Service merged with the Agricultural Research Service on February 20, 1994.

[4] Includes the former Agriculture Research Service of the Science and Education Administration for fiscal years 1978-80

[5] Includes former Cooperative State Research Service of the Science and Education Administration for fiscal years 1978-80

[6] The Cooperative State Research Service merged with the Extension Service on October 19, 1994, due to a reorganization within the Department of Agriculture.

[7] Includes programs of the Economic Research Service, the Statistical Reporting Service, and the Farmer Cooperative Service for fiscal years 1977-79

[8] Includes programs of the Economic Research Service and the Statistical Reporting Service for fiscal year 1980

[9] Name changed from Federal Grain Inspection Service on October 20, 1994

[10] The Office of International Cooperation and Development became part of the Foreign Agricultural Service (FAS) in June of 1994. Data reported for FAS include funds appropriated to International Cooperation and Development programs within FAS as of fiscal year 1994.

[11] In 1981 the Maritime Administration moved from the Department of Commerce to the Department of Transportation.

[12] In fiscal year 1982 the Bonneville Power Administration became part of the Department of Energy.

[13] In 1977 the Energy Research and Development Administration became part of the Department of Energy.

[14] In fiscal year 1991 Human Development Services was replaced by the Administration for Children and Families and by the Administration on Aging. Beginning in fiscal year 1992, data shown for the Administration for Children and Families are separate from obligations for the Administration on Aging. Obligations reported for the Administration for Children and Families may be incomplete for fiscal year 1992 due to unavailability of data.

[15] Fiscal year 1992 figures include obligations from the Alcohol, Drug Abuse, and Mental Health Administration. Due to reorganization within the Department of Health and Human Services, the Alcohol, Drug Abuse, and Mental Health Administration ceased to exist as of October 1992, and its research and development functions are reported with the National Institutes of Health data beginning with Vol. 42.

[16] In fiscal year 1991 the Agency for Health Care Policy and Research became separate from the Office of the Assistant Secretary for Health.

[17] As of March 31, 1995, the Social Security Administration became an independent agency; it is no longer part of the Department of Health & Human Services.

[18] As of 1985 the Office of Water Research and Technology has been combined with the Geological Survey.

[19] The National Biological Service's name changed from the National Biological Survey on January 5, 1995. As of fiscal year 1994, the National Biological Service performs all biological research activities formerly funded by the US Fish & Wildlife Service and the National Park Service.

[20] The Bureau of Prisons was formerly listed as Federal Prison System.

[21] In 1984 the Labor-Management Services Administration was replaced by Labor-Management Relations and Cooperative Programs.

[22] Increases in outlays and obligations reported by the Department of State during the Vol. 44 survey cycle reflect reporting of monies received through interagency agreements from the Agency for International Development. The Department of State transfers these outlays and obligations to other R&D performers.

[23] Agency for International Development (AID) became separate from the Department of State in 1979. AID includes programs of the International Development Cooperative Agency for fiscal years 1979-81.

[24] Name changed from Urban Mass Transit Administration on December 18, 1991

[25] Due to the reorganization of the Internal Revenue Service and subsequent unavailability of data, fiscal year 1992 figures are taken from estimates made in the Vol. 41 submission. Large changes in obligations reported by this agency for Vol. 44 are due to the shifts in research funding.

[26] Formerly listed as Office of Protective Research

[27] In 1989 the Federal Home Loan Bank Board was replaced by the Office of Thrift Supervision. In 1990 the Office of Thrift Supervision became part of the Department of the Treasury.

[28] As of 1985 the National Archives and Records Administration is separate from the General Services Administration.

[29] Fiscal year 1994 figures are estimates based on the Vol. 43 submission.

[30] Data reported for the US Information Agency include funds for the former International Communication Agency for fiscal years 1977-81.

NOTES: Because of rounding, detail may not add to totals.

Data for only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal Funds Survey, refer to appendix A.

KEY:
- = Amount less than 50 thousand dollars
NA = Not applicable (indicates that the agency or agency subdivision did not exist as such or in that organization in that year)

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1994, 1995, and 1996

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Table C-92a. Federal obligations for research and development and for R&D plant, by agency: fiscal years 1986-96

[Dollars in millions]

Page 1 of 5

Agency and subdivision	1986	1987	1988	1989	1990	1991	1992	1993	1994	Estimates	
										1995	1996
Total, all agencies	52,951.2	57,099.7	58,826.5	63,571.6	65,831.2	64,148.0	68,577.2	70,414.7	69,427.0	73,028.7	70,906.0
Departments:											
Dept of Agriculture, total	1,007.9	1,059.6	1,151.8	1,127.5	1,210.6	1,381.3	1,491.8	1,470.2	1,525.3	1,554.7	1,475.7
Agricultural Coop Svc[1]	2.6	2.7	2.7	2.8	2.7	2.8	3.4	2.9	3.7	0	.0
Agricultural Marketing Svc[2]	1.6	1.5	1.6	1.5	2.7	4.2	4.7	4.7	4.8	4.8	4.8
Agricultural Rsch Svc[3, 4]	532.6	522.4	561.2	578.7	589.9	655.7	725.2	705.5	757.0	761.3	756.9
Animal & Plant Health Inspection Service	4.2	4.9	6.2	7.7	14.0	15.7	16.7	17.1	19.2	19.1	20.9
Cooperative State Rsch. Ed & Extension Svc[5, 6]	278.6	338.3	374.7	339.4	371.1	438.3	481.2	479.2	471.6	501.7	419.4
Economic Research Svc	44.6	44.8	48.1	49.5	50.5	54.4	58.9	58.9	55.2	53.5	54.7
Grain Inspection Packers & Stockyards Administration[7]	1.0	1.2	1.0	1.1	6	7	1.5	1.8	1.8	1.8	2.8
Foreign Agricultural Svc[8]	0	0	0	.0	0	0	0	0	8	1.4	1.4
Forest Service	114.0	127.1	138.4	133.0	163.5	193.1	184.3	186.3	198.0	204.0	209.1
Human Nutrition Info Svc[3]	12.8	6.8	8.2	8.4	9.0	9.9	10.7	8.4	7.0	NA	NA
Nat'l Agricultural Stat Svc	8.0	3.4	3.6	2.9	2.8	3.2	3.6	3.9	3.9	3.6	3.7
Office of International Cooperation & Dvlpmt[8]	7.0	5.6	5.0	2.5	3.6	3.1	1.5	1.5	NA	NA	NA
Office of Transportation[2]	1.0	1.1	1.1	NA	NA	NA	NA	NA	NA	NA	NA
Rural Business & Coop Development Service	NA	NA	NA	NA	NA	NA	NA	NA	2.4	3.6	2.0
Department of Commerce, total	408.4	407.5	400.2	407.0	453.5	505.4	672.2	681.7	857.3	1,552.4	1,394.5
Bureau of the Census	4.7	4.7	5.7	4.9	6.9	6.6	5.3	5.4	4.8	5.5	5.7
Economic Development Admin	10.3	5.0	4.2	1.0	1.2	1.4	5	.0	6	5	1.5
National Institute of Standards & Technology	108.5	100.7	118.7	124.2	131.0	148.4	190.2	219.8	284.1	995.9	786.4
National Oceanic & Atmospheric Administration	276.2	289.3	263.5	269.1	306.7	345.3	472.2	452.4	562.9	544.6	594.4
National Telecommunications & Information Administration	8.4	7.8	8.1	7.8	7.7	3.6	4.0	4.2	4.8	6.0	6.5
Office of the Secretary	3	-	.0	.0	.0	.0	.0	.0	.0	.0	.0
Department of Defense, total	33,224.1	35,708.7	35,684.6	38,076.2	37,755.5	32,560.5	36,526.0	36,220.7	34,787.5	35,573.1	33,856.5
Department of the Army	4,863.3	5,085.2	4,898.8	5,704.5	5,737.2	6,172.5	6,876.2	6,227.2	5,576.2	5,592.7	4,552.9
Department of the Navy	9,747.9	9,576.8	9,588.9	9,755.7	9,646.6	7,860.0	8,126.8	9,148.3	9,005.1	9,261.1	8,429.3
Department of the Air Force	13,723.9	15,618.0	15,011.0	15,487.6	15,153.6	11,089.8	13,606.8	12,866.9	12,626.8	12,820.1	13,309.7
Defense agencies	4,771.9	5,291.8	5,957.3	6,973.3	6,996.8	7,200.9	7,670.5	7,723.3	7,336.5	7,653.0	7,288.9
Operational Test & Evaluation, Director	.0	8.4	68.2	14.4	32.6	13.6	12.4	12.3	11.2	19.1	22.7
Test & Evaluation, Deputy Under Secretary Defense	117.1	128.5	160.3	140.7	188.7	223.7	233.2	242.5	231.8	227.0	253.0
Department of Education	127.9	153.5	145.9	161.0	178.8	175.2	170.9	179.9	178.4	202.6	190.1
Department of Energy[9, 10]	5,430.6	5,529.4	5,951.4	6,065.6	6,546.6	7,203.2	7,493.0	7,723.7	6,959.8	7,236.1	7,770.2

See explanatory information, if any, and SOURCE at end of table.

Table C-92a. Federal obligations for research and development and for R&D plant, by agency: fiscal years 1986-96

[Dollars in millions]

Agency and subdivision	1986	1987	1988	1989	1990	1991	1992	1993	1994	Estimates	
										1995	1996
Department of Health & Human Services, total	5.695.5	6 643.0	7.177.6	7.981.4	8.513.4	9.842.3	9.084.6	10.498.5	11.141.7	11.825.5	11.989.1
Administration on Aging[11]	NA	NA	NA	NA	NA	20.6	20.2	20.9	19.1	20.4	19.4
Administration for Children & Families[11]	NA	NA	NA	NA	0	129.0	39.2	19.9	11.3	11.8	11.6
Agency for Health Care Policy & Research[12]	NA	NA	NA	NA	49.7	101.1	106.3	114.8	154.4	162.6	193.5
Alcohol, Drug Abuse, & Mental Health Administration	396.6	476.1	554.8	695.7	842.7	1.460.6	NA	NA	NA	NA	NA
Centers for Disease Control & Prevention	52.2	66.2	88.7	117.8	95.6	113.4	146.9	162.5	206.8	216.9	217.1
Food & Drug Administration	87.4	85.8	91.5	122.0	122.0	143.5	150.0	174.2	177.8	175.8	184.0
Health Care Financing Admin	29.0	27.3	28.2	49.1	49.1	69.1	75.5	68.2	80.0	89.0	64.5
Health Resources & Services Administration	12.3	9.3	10.0	10.5	11.9	11.0	10.5	11.0	17.8	17.8	17.7
Human Development Svcs[11]	54.6	53.0	54.0	101.7	95.4	NA	NA	NA	NA	NA	NA
Nat'l Institutes of Health[13]	5.034.5	5.886.2	6.309.9	6.833.8	7.221.3	7.763.4	8.491.4	9.893.3	10.439.9	11.061.6	11.268.3
Office of the Assistant Secretary for Health[12]	17.3	21.2	21.0	27.2	6.9	10.0	6.7	1.2	8	8	8
Office of the Secretary	6.1	8.2	4.7	7.8	5.0	8.8	5.0	8.0	11.7	13.4	12.3
Social Security Admin[14]	5.6	9.8	14.7	15.8	13.9	11.9	33.0	24.5	22.2	55.4	NA
Dept of Housing & Urban Dvlpmt	15.3	16.3	18.4	18.0	19.3	27.8	25.1	23.6	39.6	42.5	42.5
Dept of the Interior, total	389.6	415.7	426.1	479.8	522.6	615.1	627.6	642.2	703.1	693.8	687.3
Bureau of Land Management	3.4	3.7	3.7	3.0	2.8	8.8	6.3	8.9	0	0	0
Bureau of Mines	84.4	88.8	91.3	101.2	102.3	108.2	107.1	111.9	107.9	105.2	86.8
Bureau of Reclamation	10.2	10.7	4.4	4.2	5.8	8.7	13.2	10.3	7.4	7.5	7.6
Geological Survey[15]	219.5	227.6	236.9	281.1	309.7	359.8	365.7	360.4	377.4	368.1	373.2
Minerals Management Service	1.1	1.0	1.2	2.2	2.0	2.9	4.8	6.9	21.8	21.8	23.7
National Biological Svc[16]	NA	NA	NA	NA	NA	NA	NA	0	164.2	166.9	172.7
National Park Service[16]	17.3	18.5	19.4	19.4	20.1	27.5	31.1	38.1	24.2	24.3	23.3
Office of the Secretary	1.0	0	4	4	2	6	9	4	1	-	-
Office of Surface Mining Reclamation & Enforcement	2.3	1.0	1.0	7	7	1.0	3	5	0	0	0
US Fish & Wildlife Service[16]	50.5	64.3	67.8	67.5	78.9	97.6	98.2	104.8	NA	NA	NA

See explanatory information, if any, and SOURCE at end of table.

Table C-92a. Federal obligations for research and development and for R&D plant, by agency: fiscal years 1986-96

[Dollars in millions]

Page 3 of 5

Agency and subdivision	1986	1987	1988	1989	1990	1991	1992	1993	1994	Estimates	
										1995	1996
Department of Justice, total	36.5	53.5	43.1	38.2	40.5	48.9	48.0	48.9	45.0	50.9	53.5
Bureau of Prisons[17]	3.0	7.1	6.0	5.1	4.5	5.2	5.9	6.1	5.4	5.7	5.7
Drug Enforcement Admin	2.5	2.2	2.5	2.7	2.4	2.7	1.4	.9	.9	.9	.8
Fed Bureau of Investigation	7.2	19.1	12.7	7.7	8.2	10.8	10.9	11.3	7.0	10.5	10.5
Immigration & Naturalization Service	.4	.4	.3	.1	.4	.4	.4	.4	.4	.4	.4
Office of Justice Programs	23.2	24.6	21.5	22.5	25.0	29.8	29.4	30.2	31.4	33.5	36.0
Office of Legal Policy	.2	.1	0	0	0	0	0	0	0	0	0
Department of Labor, total	10.4	21.6	35.6	35.4	73.0	44.0	51.7	55.0	59.7	67.0	67.2
Bureau of Labor Statistics	.6	6.5	7.0	7.0	7.3	7.5	7.6	6.9	7.1	13.1	13.3
Employment Standards Admin	0	1.0	.1	.1	.1	0	0	0	0	0	0
Employment & Training Admin	3.5	5.7	14.9	15.7	53.4	22.1	31.7	35.9	40.0	40.2	39.8
Labor Management Relations & Cooperative Programs[18]	.2	.3	.4	.3	0	0	NA	NA	NA	NA	NA
Occupational Safety & Health Administration	3.6	4.1	4.2	4.5	2.5	2.6	3.1	2.5	3.3	4.4	4.4
Office of the Secretary	2.1	2.7	6.1	6.1	7.1	8.7	5.9	5.8	5.3	5.9	6.3
Pension Benefit Guaranty Corporation	.1	.3	.3	.3	.5	.5	.9	1.3	1.3	.8	.5
Pension & Welfare Benefit Administration	.3	1.0	2.7	1.4	2.1	2.5	2.6	2.6	2.7	2.7	2.8
Department of State, total[19]	1.5	3.0	4.2	4.7	4.7	5.9	5.6	5.3	8.2	6.4	5.4
Dept of Transportation, total	397.5	336.2	318.5	318.9	388.3	398.3	470.3	577.6	661.7	800.9	733.9
Coast Guard	16.9	17.0	21.4	17.9	20.6	25.9	20.5	33.4	22.8	22.1	22.5
Federal Aviation Admin	271.5	177.7	173.8	162.3	237.5	236.4	260.2	271.3	318.6	319.5	308.6
Federal Highway Admin	46.1	76.9	74.1	91.0	91.5	86.9	131.0	175.7	242.0	360.3	0
Federal Railroad Admin	15.4	11.2	10.4	9.0	10.2	17.6	22.8	26.8	20.6	34.9	40.4
Federal Transit Admin[20]	8.2	12.6	2.3	1.4	1.6	1.7	1.7	31.3	19.9	20.6	0
Infrastructure Investment[21]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	318.4
Maritime Administration[22]	9.4	5.8	.5	0	.9	1.7	1.8	1.7	1.7	2.7	5.0
National Highway Traffic Safety Administration	22.9	28.4	28.3	29.7	16.9	21.4	25.8	31.6	25.3	25.9	20.2
Office of the Secretary	5.1	4.5	5.7	5.5	6.8	4.3	4.1	4.5	5.4	4.0	4.9
Research & Special Programs Administration	2.0	2.1	2.1	2.0	2.4	2.4	2.5	1.3	5.3	11.0	13.9

See explanatory information, if any, and SOURCE at end of table

Table C-92a. Federal obligations for research and development and for R&D plant, by agency: fiscal years 1986-96

[Dollars in millions]

Page 4 of 5

Agency and subdivision	1986	1987	1988	1989	1990	1991	1992	1993	1994	Estimates	
										1995	1996
Dept of the Treasury, total	24.2	27.0	26.2	25.7	25.7	31.0	24.8	16.8	19.1	51.8	52.9
Bureau of Engraving & Printing	4.2	4.5	2.0	1.7	2.1	3.5	2.0	3.2	1.7	1.5	2.6
Financial Crimes Enforcement Network	0	0	0	0	0	2.3	1.2	1.5	0	0	0
Internal Revenue Svc[23]	14.2	14.6	14.4	14.4	16.8	17.9	17.9	6.5	11.3	40.1	40.1
Off of Thrift Supervision[24]	NA	NA	NA	NA	0	3.0	8	7	5	6	7
United States Customs Svc	4.9	7.1	9.3	6.9	6.3	3.8	2.3	4.1	4.6	8.5	9.0
United States Mint	3	2	1	2.0	1	1	0	1	5	5	0
United States Secret Svc[25]	5	5	4	6	5	4	6	6	5	6	6
Department of Veterans Affairs	191.0	215.4	234.8	245.7	241.0	220.0	229.6	239.5	259.7	266.4	260.2
Other agencies:											
Advisory Commission on Intergovernmental Relations	2.1	1.9	1.8	1.1	1.5	1.7	1.7	2.1	1.4	1.3	1.5
Agcy for Internat'l Dvlpmt[26]	258.7	224.3	210.6	279.1	334.6	377.7	365.9	382.2	254.3	288.3	222.0
Appalachian Regional Commission	2	1	2	8	4	7	1.9	9	9	9	9
Consumer Product Safety Comm	2.0	2.2	1.1	1.3	1.1	1.3	1.1	1.2	3	3	3
Environmental Protection Agency	317.3	348.2	347.4	380.3	419.7	432.6	483.9	497.8	558.3	588.5	681.6
Federal Communications Comm	9	1.0	[illegible]	1.1	1.3	1.4	1.6	1.6	1.7	2.1	1.8
Fed Home Loan Bank Board[24]	3.3	3.4	[illegible]	NA	NA	NA	NA	NA	NA	NA	NA
Federal Trade Commission	1.8	5	4	4	5	1.0	1.3	9	7	9	1.0
General Services Admin[27]	20.0	1.6	2.3	5	19.5	22.6	6.5	1.0	3	2	0
Library of Congress	6.6	6.5	7.1	8.0	8.4	9.0	10.3	10.5	10.0	9.7	9.7
National Aeronautics & Space Administration	3,694.8	4,096.5	4,758.6	5,913.0	7,060.3	8,003.8	8,475.4	8,769.2	8,811.5	9,440.7	8,498.5
National Archives & Records Administration[27]	1.0	1.1	7	3	4	7	7	3	3	1	1
National Science Foundation	1,406.5	1,531.8	1,589.6	1,724.0	1,728.8	1,944.8	1,970.0	2,012.3	2,212.2	2,449.6	2,540.0
Nuclear Regulatory Commission	123.8	122.5	108.5	114.8	108.8	108.8	119.0	119.8	90.7	86.0	81.8
Office of Thrift Supervision[24]	NA	NA	NA	4.1	4.1	NA	NA	NA	NA	NA	NA
Smithsonian Institution	64.0	74.4	75.8	83.6	88.8	99.5	101.8	107.0	129.2	130.2	134.2
Social Security Admin[14]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	37.2
Tennessee Valley Authority	78.3	78.2	87.7	62.8	69.8	73.1	100.5	109.6	97.9	94.1	104.4

See explanatory information, if any, and SOURCE at end of table.

Table C-92a. Federal obligations for research and development and for R&D plant, by agency: fiscal years 1986-96

[Dollars in millions]

Page 5 of 5

Agency and subdivision	1986	1987	1988	1989	1990	1991	1992	1993	1994	Estimates	
										1995	1996
United States Arms Control & Disarmament Agency[28]	0.9	4.6	3.4	2.8	0.2	0.4	2.1	1.5	1.3	1.1	1.1
US Information Agency[29]	2.0	3.5	4	1	5	1	0	1.1	6	3	3
US Internat'l Trade Commission	6.9	7.2	8.1	8.7	9.1	9.9	12.3	12.2	9.4	10.2	10.8

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[1] Includes programs of the Farmer Cooperative Service for fiscal years 1970-76.

[2] Fiscal year 1979 was the first year in which Congress appropriated funds to the Agricultural Marketing Service. Data reported for the Agricultural Marketing Service include funds for the Office of Transportation beginning in 1989.

[3] The Human Nutrition Information Service merged with the Agricultural Research Service on February 20, 1994.

[4] Includes the former Agriculture Research Service of the Science and Education Administration for fiscal years 1978-80.

[5] Includes former Cooperative State Research Service of the Science and Education Administration for fiscal years 1978-80.

[6] The Cooperative State Research Service merged with the Extension Service on October 19, 1994, due to a reorganization within the Department of Agriculture.

[7] Name changed from Federal Grain Inspection Service on October 20, 1994.

[8] The Office of International Cooperation and Development became part of the Foreign Agricultural Service (FAS) in June of 1994. Data reported for FAS include funds appropriated to International Cooperation and Development programs within FAS as of fiscal year 1994.

[9] In fiscal year 1982 the Bonneville Power Administration became part of the Department of Energy.

[10] In 1977 the Energy Research and Development Administration became part of the Department of Energy.

[11] In fiscal year 1991 Human Development Services was replaced by the Administration for Children and Families and by the Administration on Aging. Beginning in fiscal year 1992, data shown for the Administration for Children and Families are separate from obligations for the Administration on Aging. Obligations reported for the Administration for Children and Families may be incomplete for fiscal year 1992 due to unavailability of data.

[12] In fiscal year 1991 the Agency for Health Care Policy and Research became separate from the Office of the Assistant Secretary for Health.

[13] Fiscal year 1992 figures include obligations from the Alcohol, Drug Abuse, and Mental Health Administration. Due to reorganization within the Department of Health and Human Services, the Alcohol, Drug Abuse, and Mental Health Administration ceased to exist as of October 1992, and its research and development functions are reported with the National Institutes of Health data beginning with Vol. 42.

[14] As of March 31, 1995, the Social Security Administration became an independent agency; it is no longer part of the Department of Health & Human Services.

[15] As of 1985 the Office of Water Research and Technology has been combined with the Geological Survey.

[16] The National Biological Service's name changed from the National Biological Survey on January 5, 1995. As of fiscal year 1994, the National Biological Service performs all biological research activities formerly funded by the US Fish & Wildlife Service and the National Park Service.

[17] The Bureau of Prisons was formerly listed as Federal Prison System.

[18] In 1984 the Labor Management Services Administration was replaced by Labor-Management Relations and Cooperative Programs.

[19] Increases in outlays and obligations reported by the Department of State during the Vol. 44 survey cycle reflect reporting of monies received through interagency agreements from the Agency for International Development. The Department of State transfers these outlays and obligations to other R&D performers.

[20] Name changed from Urban Mass Transit Administration on December 18, 1991.

[21] Monies estimated for fiscal year 1996 by infrastructure investment represent a proposed consolidation of several agencies within the Department of Transportation.

[22] In 1981 the Maritime Administration moved from the Department of Commerce to the Department of Transportation.

[23] Due to the reorganization of the Internal Revenue Service and subsequent unavailability of data, fiscal year 1992 figures are taken from estimates made in the Vol. 41 submission. Large changes in obligations reported by this agency for Vol. 44 are due to the shifts in research funding.

[24] In 1989 the Federal Home Loan Bank Board was replaced by the Office of Thrift Supervision. In 1990 the Office of Thrift Supervision became part of the Department of the Treasury.

[25] Formerly listed as Office of Protective Research.

[26] Agency for International Development (AID) became separate from the Department of State in 1979. AID includes programs of the International Development Cooperative Agency for fiscal years 1979-81.

[27] As of 1985 the National Archives and Records Administration is separate from the General Services Administration.

[28] Fiscal year 1994 figures are estimates based on the Vol. 43 submission.

[29] Data reported for the US Information Agency include funds for the former International Communication Agency for fiscal years 1977-81.

NOTES: Because of rounding, detail may not add to totals.

Data for only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal Funds Survey, refer to appendix A.

KEY: * = Amount less than 50 thousand dollars
NA = Not applicable (indicates that the agency or agency subdivision did not exist as such or in that organization in that year)

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1994, 1995, and 1996

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Table C-93. Federal obligations for research and development, by agency: fiscal years 1975-85

[Dollars in millions]

Page 1 of 5

Agency and subdivision	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985
Total, all agencies	19,038.8	20,779.7	23,450.4	25,845.1	28,145.1	29,830.4	33,103.9	36,432.6	38,711.5	42,224.9	48,359.6
Departments											
Dept of Agriculture, total	420.1	462.4	547.0	621.3	663.0	687.6	774.0	797.3	847.6	866.2	943.0
Agricultural Coop Svc[1]	1.2	1.2	0	0	0	1.6	1.7	1.7	2.1	2.2	2.9
Agricultural Marketing Svc[2]	NA	NA	NA	NA	1.0	1.3	1.1	1.2	1.4	1.5	1.7
Agricultural Rsch Svc[3, 4]	217.1	242.1	298.9	325.5	345.8	351.8	394.1	404.9	443.4	451.3	469.7
Cooperative State Rsch, Ed & Extension Svc[3, 5]	101.1	113.4	127.3	157.4	172.6	184.2	199.4	219.0	232.3	235.7	284.3
Economics, Stat & Coop Svc[7]	NA	NA	30.5	32.7	35.5	NA	NA	NA	NA	NA	NA
Economic Research Svc	21.3	24.0	NA	NA	NA	NA	39.3	39.3	38.8	43.7	46.4
Economics & Statistics Svc[8]	NA	NA	NA	NA	NA	31.1	NA	NA	NA	NA	NA
Grain Inspection Packers & Stockyards Administration[9]	NA	0	0	0	0	0	0	0	0	0	.9
Forest Service	78.2	79.9	90.3	105.6	107.5	111.5	126.1	112.1	107.7	108.4	113.1
Human Nutrition Info Svc[3]	NA	NA	NA	NA	NA	NA	0	8.5	8.2	6.0	6.7
Nat'l Agricultural Library	-	-	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nat'l Agricultural Stat Svc	1.2	1.9	NA	NA	NA	NA	7.5	7.0	7.6	8.2	8.4
Office of International Cooperation & Dvlpmt[10]	NA	NA	NA	NA	0	5.3	3.9	2.6	5.3	8.2	7.7
Office of Transportation[2]	NA	NA	NA	NA	.7	.8	.9	.9	.8	1.0	1.2
Department of Commerce, total	215.4	228.9	244.7	283.7	309.4	342.5	327.9	336.3	335.0	358.2	398.8
Bureau of the Census	1.0	2.5	2.6	3.4	3.1	3.2	3.9	3.8	4.3	4.4	4.9
Economic Development Admin	10.3	15.1	15.0	38.5	43.1	32.3	28.1	9.6	5.3	5.1	13.0
Maritime Administration[11]	22.9	19.0	14.8	19.6	19.6	19.4	NA	NA	NA	NA	NA
Minority Business Dvlpmt Agcy	4.6	2.0	3.4	0	0	0	0	0	0	0	0
National Fire Prevention & Control Administration	3.6	6.4	6.6	NA	NA	NA	NA	NA	NA	NA	NA
National Institute of Standards & Technology	43.2	47.4	53.2	58.3	67.8	76.2	82.5	88.8	95.0	95.5	100.5
National Oceanic & Atmospheric Administration	128.0	135.1	145.7	161.5	171.2	199.8	201.4	222.0	222.0	244.3	269.8
National Telecommunications & Information Administration	NA	NA	2.9	1.8	4.1	10.7	10.9	11.3	8.3	8.7	9.1
Office of Telecommunications	1.3	.9	NA	NA	NA	NA	NA	NA	NA	NA	NA
Office of the Secretary	0	0	.0	.0	.1	.6	0	-	-	.1	1.4
Patent & Trademark Office	.5	.4	.5	.5	.5	.5	1.1	.7	.0	0	0
Department of Defense, total	9,012.5	9,654.7	10,963.4	11,553.6	12,506.2	13,981.0	16,508.6	20,622.6	22,992.8	25,372.9	29,791.5
Department of the Army	1,896.7	2,013.7	2,441.9	2,548.9	2,768.7	2,980.0	3,244.2	3,760.5	3,998.1	4,225.5	4,570.8
Department of the Navy	3,100.2	3,328.0	3,817.4	3,998.4	4,335.0	4,706.1	5,006.0	5,845.1	6,068.2	7,605.6	9,127.4
Department of the Air Force	3,513.5	3,726.6	4,031.1	4,262.3	4,525.6	5,211.0	6,969.2	9,357.9	10,812.6	12,091.6	13,260.9
Defense agencies	476.5	561.6	641.4	707.9	847.6	1,046.0	1,248.2	1,618.1	2,052.3	1,391.5	2,781.7
Defense Civil Preparedness Agency	1.7	.7	1.3	7.5	NA	NA	NA	NA	NA	NA	NA
Test & Evaluation, Deputy Under Secretary Defense	23.9	24.1	30.2	28.6	29.3	37.9	41.1	41.0	61.6	58.6	50.6
Department of Education	NA	NA	NA	NA	166.3	139.4	104.9	128.0	111.7	115.7	124.9
Department of Energy[12, 13]	NA	NA	3,536.2	4,244.8	4,638.8	4,753.7	4,918.2	4,708.2	4,536.7	4,673.6	4,966.0

See explanatory information, if any, and SOURCE at end of table.

Table C-93. Federal obligations for research and development, by agency: fiscal years 1975-85

[Dollars in millions]

Page 2 of 5

Agency and subdivision	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985
Department of Health, Education, & Welfare, total	2,397.5	2,583.6	2,823.3	3,207.3	NA	NA	NA	NA	NA	NA	NA
Alcohol, Drug Abuse, & Mental Health Administration	139.4	139.5	153.0	180.2	NA	NA	NA	NA	NA	NA	NA
Centers for Disease Control & Prevention	42.6	49.6	55.3	60.1	NA	NA	NA	NA	NA	NA	NA
Food & Drug Administration	35.9	37.1	42.9	64.1	NA	NA	NA	NA	NA	NA	NA
Health Care Financing Admin	NA	NA	30.0	19.4	NA	NA	NA	NA	NA	NA	NA
Health Resources Admin	43.3	38.2	7.4	5.5	NA	NA	NA	NA	NA	NA	NA
Health Services Admin	17.3	17.5	17.7	18.2	NA	NA	NA	NA	NA	NA	NA
Nat'l Institute of Education	69.9	63.7	64.9	89.5	NA	NA	NA	NA	NA	NA	NA
Nat'l Institutes of Health	1,879.9	2,060.2	2,279.9	2,580.9	NA	NA	NA	NA	NA	NA	NA
Office of the Assistant Secretary for Education	6	1.0	1.0	1.3	NA	NA	NA	NA	NA	NA	NA
Office of the Assistant Secretary for Health	0	0	32.2	36.2	NA	NA	NA	NA	NA	NA	NA
Office of Education	45.9	58.2	31.1	32.9	NA	NA	NA	NA	NA	NA	NA
Off of Human Dvlpmnt Svcs	64.3	61.9	76.8	75.8	NA	NA	NA	NA	NA	NA	NA
Office of the Secretary	26.2	23.7	20.0	30.2	NA	NA	NA	NA	NA	NA	NA
Social & Rehabilitation Svc	9.6	18.6	NA	NA	NA	NA	NA	NA	NA	NA	NA
Social Security Admin	22.6	14.4	11.2	12.9	NA	NA	NA	NA	NA	NA	NA
Department of Health & Human Services, total	NA	NA	NA	NA	3,504.9	3,780.2	3,927.1	3,940.7	4,352.5	4,830.7	5,451.0
Alcohol, Drug Abuse, & Mental Health Administration	NA	NA	NA	NA	214.3	233.5	239.4	248.1	302.2	337.2	377.6
Centers for Disease Control & Prevention	NA	NA	NA	NA	76.3	87.3	74.8	75.0	78.2	46.3	47.6
Food & Drug Administration	NA	NA	NA	NA	61.0	75.4	71.4	73.0	74.2	77.8	82.1
Health Care Financing Admin	NA	NA	NA	NA	31.8	45.7	38.6	29.1	30.2	33.1	33.5
Health Resources Admin	NA	NA	NA	NA	4.9	5.1	5.0	NA	NA	NA	NA
Health Resources & Services Administration	NA	NA	NA	NA	NA	NA	NA	10.1	13.3	18.5	19.7
Health Svcs Administration	NA	NA	NA	NA	28.7	26.7	20.3	NA	NA	NA	NA
Human Development Svcs[14]	NA	NA	NA	NA	57.1	49.3	73.7	27.2	23.4	18.3	24.3
Nat'l Institutes of Health[15]	NA	NA	NA	NA	2,953.1	3,181.8	3,333.2	3,433.1	3,789.2	4,257.4	4,827.7
Office of the Assistant Secretary for Health[16]	NA	NA	NA	NA	34.6	29.9	33.1	16.1	16.6	18.1	18.6
Office of the Secretary	NA	NA	NA	NA	24.7	24.0	19.5	13.4	14.4	10.4	9.6
Social Security Admin[17]	NA	NA	NA	NA	18.3	21.4	18.0	15.5	10.8	13.5	10.4
Dept of Housing & Urban Dvlpmt	62.0	67.6	52.1	69.7	67.9	56.0	48.1	28.9	32.1	18.2	18.5
Dept of the Interior, total	303.3	333.2	314.7	359.0	405.8	411.3	427.1	381.1	382.5	410.9	391.7
Bonneville Power Admin[12]	6.0	7.0	0	0	0	0	14.2	NA	NA	NA	NA
Bureau of Land Management	8	7	9	1.2	1.3	1.7	1.9	5.3	3.9	3.8	4.4
Bureau of Mines	107.6	131.3	101.9	114.0	121.0	113.4	96.7	94.7	88.5	108.8	89.9
Bureau of Reclamation	7.8	8.3	9.9	11.2	12.2	14.1	14.3	10.1	10.0	10.4	13.2
Geological Survey[18]	106.6	110.3	117.5	133.7	145.6	146.3	169.8	152.6	157.0	208.9	214.9
Heritage Conservation & Recreation Service	-	-	-	NA	NA	NA	NA	NA	NA	NA	NA
Minerals Management Service	NA	NA	NA	NA	NA	NA	NA	0	1.5	1.5	1.4
National Park Service[19]	8.4	9.3	7.8	7.7	8.9	8.2	10.4	11.2	13.7	14.0	15.0
Office of the Secretary	1.7	1.0	4.5	1.7	1.4	2.2	1.5	5	7.4	1	1.9
Office of Surface Mining Reclamation & Enforcement	NA	NA	0	2.2	5.0	7.5	5.8	1.5	1.5	8	2.0
Off of Water Rsch & Tech[18]	19.5	19.0	15.1	27.4	27.2	29.3	21.1	11.4	2.2	3.6	0
US Fish & Wildlife Service[19]	45.0	46.2	57.1	59.9	83.1	88.6	91.5	93.9	96.7	59.1	49.0

See explanatory information, if any, and SOURCE at end of table.

Table C-93. Federal obligations for research and development, by agency: fiscal years 1975-85

[Dollars in millions]

Page 3 of 5

Agency and subdivision	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985
Department of Justice, total	44.3	33.9	27.7	60.9	43.0	41.5	26.5	26.7	31.4	24.5	36.0
Bureau of Prisons[1]	.6	.8	1.1	3.6	3.4	2.1	2.5	1.7	1.7	1.6	1.5
Drug Enforcement Admin	1.5	2.5	3.0	1.9	2.4	2.7	1.3	3.2	2.5	1.9	1.6
Fed Bureau of Investigation	1.2	1.2	1.4	1.8	3.1	1.4	.7	2.7	2.5	1.0	9.5
Immigration & Naturalization Service	.1	.1	.3	.4	.2	.3	.1	.6	.6	.6	.4
Office of Justice Programs	40.9	29.2	21.8	51.6	32.2	33.2	21.0	18.0	23.8	19.5	22.7
Office of Legal Policy	0	0	0	1.6	1.7	1.8	.8	.4	.3	0	.3
Department of Labor, total	25.4	28.5	29.6	97.8	137.0	138.1	62.2	25.4	19.9	16.3	13.3
Bureau of Labor Statistics	1.8	1.3	1.4	1.2	.9	.9	.3	.3	.7	.5	.6
Employment Standards Admin	3.2	4.3	4.4	3.7	5.3	4.9	3.2	1.4	1.4	.9	
Employment & Training Admin	15.5	17.5	16.8	86.6	120.8	121.7	52.4	16.1	9.0	6.1	3.5
Labor-Management Relations & Cooperative Programs[1]	NA	NA	NA	NA	NA	NA	NA	NA	NA	.3	.3
Labor-Management Services Administration[1]	.8	.7	3.3	2.8	3.2	2.8	1.8	.7	.9	0	0
Occupational Safety & Health Administration	2.0	2.9	3.4	1.3	5.1	6.3	3.0	4.9	5.3	5.1	4.5
Office of the Secretary	2.0	1.8	.2	2.2	1.6	1.4	1.1	.9	1.5	1.9	2.6
Pension Benefit Guaranty Corporation	NA	NA	NA	NA	NA	NA	.5	1.1	1.1	.3	.2
Pension & Welfare Benefit Administration	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.2	1.6
Department of State, total[2]	27.9	39.4	61.4	85.2	3.2	2.2	1.8	1.5	1.5	1.6	1.5
Agcy for Internat'l Dvlpmt[3]	26.7	37.8	59.1	82.4	NA	NA	NA	NA	NA	NA	NA
Departmental funds	1.2	1.6	2.3	2.8	3.2	2.2	1.8	0	0	0	0
Dept of Transportation, total	311.6	294.5	354.6	408.3	370.1	361.2	415.5	310.1	347.7	448.3	428.9
Coast Guard	15.9	12.4	18.9	23.7	21.1	18.0	26.3	20.0	19.6	19.5	19.0
Federal Aviation Admin	105.6	98.1	103.4	110.5	110.5	103.1	120.0	94.3	126.2	266.2	286.3
Federal Highway Admin	44.7	28.9	55.5	51.7	52.9	51.1	51.2	40.3	50.4	46.4	49.0
Federal Railroad Admin	32.4	50.4	41.9	53.9	44.2	46.2	36.6	18.2	16.5	19.2	15.0
Federal Transit Admin[4]	47.7	47.5	59.9	69.6	58.0	54.4	78.2	61.4	57.0	20.1	10.2
Maritime Administration[1]	NA	NA	NA	NA	NA	NA	14.2	11.1	15.0	9.9	13.9
National Highway Traffic Safety Administration	34.0	31.4	47.0	66.3	56.6	63.6	65.9	55.4	52.0	56.9	28.1
Office of the Secretary	31.3	25.8	28.0	31.7	11.7	10.8	10.1	3.3	4.9	4.9	4.8
Research & Special Programs Administration	NA	NA	0	.9	15.0	14.0	13.1	6.1	6.2	5.2	2.7

See explanatory information, if any, and SOURCE at end of table.

Table C-93. Federal obligations for research and development, by agency: fiscal years 1975-85

[Dollars in millions]

Page 4 of 5

Agency and subdivision	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985
Dept of the Treasury, total	1.7	3.7	4.8	9.9	9.5	12.0	11.3	13.3	15.6	13.9	24.3
Bureau of Alcohol, Tobacco, & Firearms	0	0	1.1	2.0	2.5	1.6	.3	NA	NA	NA	NA
Bureau of Engraving & Printing	1.7	2.8	2.5	3.7	2.1	2.3	2.7	4.8	3.9	3.6	5.0
Internal Revenue Svc[15]	0	0	0	2.4	3.6	4.0	4.2	5.4	8.0	8.2	15.9
United States Customs Svc	0	1.0	1.2	1.8	1.3	3.8	3.5	3.1	3.3	1.8	2.2
United States Mint	0	0	0	0	0	0	0	0	0	0	.6
United States Secret Svc[15]	NA	NA	NA	NA	NA	.4	.6	0	.3	.2	.6
Department of Veterans Affairs	94.8	97.7	107.0	114.0	127.0	133.4	144.4	137.3	161.4	190.3	226.6
Other agencies											
Action	.2	.1	.5	1.6	1.6	0	0	0	0	0	0
Advisory Commission on Intergovernmental Relations	1.2	1.0	1.5	1.7	1.7	2.2	2.2	2.0	2.1	2.1	2.4
Agcy for Internat'l Dvlpmt[13]	NA	NA	NA	NA	106.5	149.3	134.2	199.9	227.3	237.2	220.4
Appalachian Regional Commission	NA	.7	.7	.5	.9	.8	.4	.4	.2	.5	.2
Civil Service Commission	4.4	4.0	3.9	NA	NA	NA	NA	NA	NA	NA	NA
Community Services Admin	23.1	10.2	24.0	24.3	20.7	30.3	18.3	NA	NA	NA	NA
Consumer Product Safety Comm	6.0	5.6	6.7	3.8	3.9	3.5	.5	.2	.5	1.3	2.4
Energy Rsch & Dvlpmt Admin[13]	2,047.3	2,463.8	NA	NA	NA	NA	NA	NA	NA	NA	NA
Environmental Protection Agency	257.7	259.1	295.5	384.6	410.1	345.0	325.7	335.1	240.7	261.2	320.4
Federal Communications Comm	1.1	1.5	2.0	2.4	2.9	3.4	1.8	1.2	1.3	.9	1.2
Federal Emergency Management Agency	NA	NA	NA	7.0	12.6	11.8	11.6	9.2	3.3	11.5	4.1
Federal Energy Administration	1.3	3.0	NA	NA	NA	NA	NA	NA	NA	NA	NA
Fed Home Loan Bank Board[17]	.7	.8	1.7	1.0	.9	1.2	1.0	2.7	3.0	2.6	2.8
Federal Trade Commission	.9	.9	1.1	1.4	1.5	3.0	1.1	1.2	1.4	1.6	1.7
General Services Admin[18]	1.8	1.1	.9	2.7	.5	.2	.6	1.0	.5	2.4	.4
Interstate Commerce Comm	0	.1	.1	.3	.2	.1	0	0	0	0	0
Library of Congress	2.6	3.0	3.8	4.9	5.9	6.9	4.9	5.7	7.4	7.5	7.1
National Aeronautics & Space Administration	3,064.4	3,446.8	3,170.8	3,333.3	3,578.4	3,234.1	3,593.2	3,077.9	2,661.6	2,821.9	3,327.2
National Archives & Records Administration[18]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	.5
National Science Foundation	595.0	609.3	697.0	748.8	807.9	881.8	961.6	975.3	1,062.0	1,202.8	1,345.6
Nuclear Regulatory Commission	64.2	88.4	112.3	133.9	148.8	182.7	219.7	220.3	207.3	190.7	150.0
Office of Personnel Management	NA	NA	NA	4.5	6.0	6.8	8.4	0	0	0	0
Office of Telecomm Policy	4.1	4.6	NA	NA	NA	NA	NA	NA	NA	NA	NA
Office of Thrift Supervision[17]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Small Business Administration	.2	.1	.5	0	0	0	0	0	0	0	0
Smithsonian Institution	24.8	25.7	29.7	34.9	36.9	41.0	44.9	52.4	56.0	63.6	71.1
Special Action Office for Drug Abuse Prevention	3.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tennessee Valley Authority	16.6	18.7	26.5	31.5	38.4	80.1	68.9	85.0	63.0	68.1	79.5

See explanatory information, if any, and SOURCE at end of table.

Table C-93. Federal obligations for research and development, by agency: fiscal years 1975-85

[Dollars in millions]

Page 5 of 5

Agency and subdivision	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985
United States Arms Control & Disarmament Agency[29]	1.0	1.4	2.2	3.6	3.5	3.8	2.4	1.9	1.0	1.3	1.1
US Information Agency[30]	1	1	1	1	1	1	1.5	1	-	1.4	1
US Internat'l Trade Commission	0	1.5	2.6	3.1	3.4	2.1	3.4	3.8	4.7	5.0	5.8

[1] Includes programs of the Farmer Cooperative Service for fiscal years 1970-76

[2] Fiscal year 1979 was the first year in which Congress appropriated funds to the Agricultural Marketing Service. Data reported for the Agricultural Marketing Service include funds for the Office of Transportation beginning in 1989.

[3] The Human Nutrition Information Service merged with the Agricultural Research Service on February 20, 1994.

[4] Includes the former Agriculture Research Service of the Science and Education Administration for fiscal years 1978-80

[5] Includes former Cooperative State Research Service of the Science and Education Administration for fiscal years 1978-80

[6] The Cooperative State Research Service merged with the Extension Service on October 19, 1994, due to a reorganization within the Department of Agriculture.

[7] Includes programs of the Economic Research Service, the Statistical Reporting Service, and the Farmer Cooperative Service for fiscal years 1977-79

[8] Includes programs of the Economic Research Service and the Statistical Reporting Service for fiscal year 1980

[9] Name changed from Federal Grain Inspection Service on October 20, 1994

[10] The Office of International Cooperation and Development became part of the Foreign Agricultural Service (FAS) in June of 1994. Data reported for FAS include funds appropriated to International Cooperation and Development programs within FAS as of fiscal year 1994.

[11] In 1981 the Maritime Administration moved from the Department of Commerce to the Department of Transportation.

[12] In fiscal year 1982 the Bonneville Power Administration became part of the Department of Energy.

[13] In 1977 the Energy Research and Development Administration became part of the Department of Energy.

[14] In fiscal year 1991 Human Development Services was replaced by the Administration for Children and Families and by the Administration on Aging. Beginning in fiscal year 1992, data shown for the Administration for Children and Families are separate from obligations for the Administration on Aging. Obligations reported for the Administration for Children and Families may be incomplete for fiscal year 1992 due to unavailability of data.

[15] Fiscal year 1992 figures include obligations from the Alcohol, Drug Abuse, and Mental Health Administration. Due to reorganization within the Department of Health and Human Services, the Alcohol, Drug Abuse, and Mental Health Administration ceased to exist as of October 1992, and its research and development functions are reported with the National Institutes of Health data beginning with Vol. 42.

[16] In fiscal year 1991 the Agency for Health Care Policy and Research became separate from the Office of the Assistant Secretary for Health.

[17] As of March 31, 1995, the Social Security Administration became an independent agency; it is no longer part of the Department of Health & Human Services.

[18] As of 1985 the Office of Water Research and Technology has been combined with the Geological Survey.

[19] The National Biological Service's name changed from the National Biological Survey on January 5, 1995. As of fiscal year 1994, the National Biological Service performs all biological research activities formerly funded by the US Fish & Wildlife Service and the National Park Service.

[20] The Bureau of Prisons was formerly listed as Federal Prison System.

[21] In 1984 the Labor-Management Services Administration was replaced by Labor-Management Relations and Cooperative Programs.

[22] Increases in outlays and obligations reported by the Department of State during the Vol. 44 survey cycle reflect reporting of monies received through interagency agreements from the Agency for International Development. The Department of State transfers these outlays and obligations to other R&D performers.

[23] Agency for International Development (AID) became separate from the Department of State in 1979. AID includes programs of the International Development Cooperative Agency for fiscal years 1979-81.

[24] Name changed from Urban Mass Transit Administration on December 18, 1991

[25] Due to the reorganization of the Internal Revenue Service and subsequent unavailability of data, fiscal year 1992 figures are taken from estimates made in the Vol. 41 submission. Large changes in obligations reported by this agency for Vol. 44 are due to the shifts in research funding.

[26] Formerly listed as Office of Protective Research

[27] In 1989 the Federal Home Loan Bank Board was replaced by the Office of Thrift Supervision. In 1990 the Office of Thrift Supervision became part of the Department of the Treasury.

[28] As of 1985 the National Archives and Records Administration is separate from the General Services Administration

[29] Fiscal year 1994 figures are estimates based on the Vol. 43 submission.

[30] Data reported for the US Information Agency include funds for the former International Communication Agency for fiscal years 1977-81.

NOTES: Because of rounding, detail may not add to totals.

Data for only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal Funds Survey, refer to appendix A.

KEY: - = Amount less than 50 thousand dollars
NA = Not applicable (indicates that the agency or agency subdivision did not exist as such or in that organization in that year)

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1994, 1995, and 1996

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Table C-93a. Federal obligations for research and development, by agency: fiscal years 1986-96

[Dollars in millions]

Page 1 of 5

Agency and subdivision	1986	1987	1988	1989	1990	1991	1992	1993	1994	Estimates	
										1995	1996
Total, all agencies	51,412.4	55,253.7	56,769.4	61,406.5	63,559.5	61,295.2	65,592.6	67,314.0	67,255.8	70,093.9	68,842.4
Departments:											
Dept of Agriculture, total	928.5	947.9	1,016.6	1,038.3	1,108.4	1,236.6	1,327.1	1,327.8	1,399.6	1,390.3	1,393.1
Agricultural Coop Svc[1]	2.6	2.7	2.7	2.8	2.7	2.8	3.4	2.9	3.7	0	0
Agricultural Marketing Svc[2]	1.6	1.5	1.6	1.5	2.7	4.2	4.7	4.7	4.8	4.8	4.8
Agricultural Rsch Svc[3, 4]	463.4	478.6	505.7	523.5	545.5	591.0	627.1	627.2	678.7	683.9	681.6
Animal & Plant Health Inspection Service	4.2	4.9	5.6	7.4	8.0	15.7	16.7	17.1	19.2	19.1	18.9
Cooperative State Rsch, Ed, & Extension Svc[5, 6]	269.0	270.7	298.4	307.3	324.2	376.8	418.2	418.6	429.0	419.0	419.4
Economic Research Svc	44.6	44.8	48.1	49.5	50.5	54.4	58.9	58.9	55.2	53.5	54.7
Grain Inspection Packers & Stockyards Administration[7]	1.0	1.2	1.0	1.1	.6	.7	1.5	1.8	1.8	1.8	2.8
Foreign Agricultural Svc[8]	0	0	0	0	0	0	0	0	.8	1.4	1.4
Forest Service	113.3	126.7	135.5	131.4	158.6	174.7	180.7	182.7	193.1	199.7	203.8
Human Nutrition Info Svc[3]	12.8	6.8	8.2	8.4	9.0	9.9	10.7	8.4	7.0	NA	NA
Nat'l Agricultural Stat Svc	8.0	3.4	3.6	2.9	2.8	3.2	3.6	3.9	3.9	3.6	3.7
Office of International Cooperation & Dvlpmt[8]	7.0	5.6	5.0	2.5	3.6	3.1	1.5	1.5	NA	NA	NA
Office of Transportation[2]	1.0	1.1	1.1	NA	NA	NA	NA	NA	NA	NA	NA
Rural Business & Coop Development Service	NA	NA	NA	NA	NA	NA	NA	NA	2.4	3.6	2.0
Department of Commerce, total	399.2	402.2	388.9	397.9	438.2	489.6	651.2	656.3	826.1	1,352.[illegible]	1,325.8
Bureau of the Census	4.7	4.7	5.7	4.9	6.9	6.6	5.3	5.4	4.8	5.5	5.7
Economic Development Admin	10.3	5.0	4.2	1.0	1.2	1.4	.5	0	.6	.5	1.5
National Institute of Standards & Technology	100.8	98.6	107.9	115.5	122.3	140.0	179.0	207.2	253.2	796.0	718.0
National Oceanic & Atmospheric Administration	274.7	286.1	263.0	268.6	300.1	338.0	462.4	439.5	562.6	544.3	594.1
National Telecommunications & Information Administration	8.4	7.8	8.1	7.8	7.7	3.6	4.0	4.2	4.8	6.0	6.5
Office of the Secretary	.3	-	0	0	0	0	0	0	0	0	0
Department of Defense, total	32,937.9	35,231.5	35,248.9	37,576.9	37,268.1	32,134.8	36,129.5	35,849.1	34,566.1	35,423.5	33,706.0
Department of the Army	4,809.4	5,019.5	4,806.0	5,659.3	5,684.1	6,081.5	6,854.2	6,209.1	5,574.1	5,587.2	4,547.4
Department of the Navy	9,650.3	9,507.8	9,514.1	9,666.1	9,586.2	7,806.0	8,030.8	9,102.9	8,929.0	9,240.2	8,421.9
Department of the Air Force	13,593.8	15,347.7	14,867.3	15,237.4	14,831.4	10,937.5	13,427.1	12,635.3	12,527.4	12,782.3	13,282.5
Defense agencies	4,767.4	5,219.7	5,832.9	6,858.9	6,945.2	7,072.5	7,571.7	7,647.0	7,292.5	7,567.6	7,178.4
Operational Test & Evaluation, Director	0	8.4	68.2	14.4	32.6	13.6	12.4	12.3	11.2	19.1	22.7
Test & Evaluation, Deputy Under Secretary Defense	117.1	128.5	160.3	140.7	188.7	223.7	233.2	242.5	231.8	227.0	253.0
Department of Education	121.3	132.5	140.7	159.1	169.9	171.0	168.5	177.7	176.6	200.7	188.3
Department of Energy[9, 10]	4,688.3	4,757.2	5,036.4	5,192.6	5,630.6	5,983.1	6,172.2	6,262.1	6,048.0	6,418.6	6,842.3

See explanatory information, if any, and SOURCE at end of table.

Table C-93a. Federal obligations for research and development, by agency: fiscal years 1986-96

[Dollars in millions]

Page 2 of 5

Agency and subdivision	1986	1987	1988	1989	1990	1991	1992	1993	1994	Estimates	
										1995	1996
Department of Health & Human Services, total	5,657.6	6,606.3	7,158.0	7,902.8	8,405.6	9,756.0	8,987.8	10,349.2	11,021.5	11,451.3	11,828.2
Administration on Aging[11]	NA	NA	NA	NA	NA	20.6	20.2	20.9	19.1	20.4	19.4
Administration for Children & Families[11]	NA	NA	NA	NA	0	129.0	39.2	19.9	11.3	11.8	11.6
Agency for Health Care Policy & Research[12]	NA	NA	NA	NA	49.7	101.1	106.3	114.8	154.4	162.6	193.5
Alcohol, Drug Abuse, & Mental Health Administration	396.1	475.5	554.8	695.7	842.7	1,460.6	NA	NA	NA	NA	NA
Centers for Disease Control & Prevention	52.2	66.2	88.7	117.8	95.6	113.4	146.9	162.5	206.8	216.9	217.1
Food & Drug Administration	79.4	85.0	91.0	99.0	99.0	125.0	135.7	154.5	169.4	170.4	171.8
Health Care Financing Admin	29.0	27.3	28.2	49.1	49.1	69.1	75.5	68.2	80.0	89.0	64.5
Health Resources & Services Administration	12.3	9.3	10.0	10.5	11.9	11.0	10.1	9.6	16.4	16.2	16.1
Human Development Svcs[11]	54.6	53.0	54.0	101.7	95.4	NA	NA	NA	NA	NA	NA
Nat'l Institutes of Health[13]	5,005.1	5,850.9	6,290.9	6,778.3	7,136.5	7,695.5	8,409.2	9,765.1	10,329.4	10,694.4	11,121.1
Office of the Assistant Secretary for Health[12]	17.3	21.2	21.0	27.2	6.9	10.0	6.7	1.2	8	8	8
Office of the Secretary	6.1	8.2	4.7	7.8	5.0	8.8	5.0	8.0	11.7	13.4	12.3
Social Security Admin[14]	5.6	9.8	14.7	15.8	13.9	11.9	33.0	24.5	22.2	55.4	NA
Dept of Housing & Urban Dvlpmt	15.3	16.3	18.4	18.0	19.3	27.8	25.1	23.6	39.6	42.5	42.5
Dept of the Interior, total	385.2	403.8	416.8	469.0	508.5	592.9	609.2	619.1	694.1	687.1	683.2
Bureau of Land Management	3.4	3.7	3.7	3.0	2.8	8.8	6.3	8.9	0	0	0
Bureau of Mines	84.4	88.8	91.3	98.7	99.3	106.1	107.1	111.9	107.9	105.2	86.8
Bureau of Reclamation	10.2	10.7	4.4	4.2	5.8	8.7	13.2	10.3	7.4	7.5	7.6
Geological Survey[15]	218.6	226.8	236.1	279.9	308.4	356.6	361.4	356.7	371.1	362.7	371.8
Minerals Management Service	1.1	1.0	1.2	2.2	1.9	2.7	3.8	5.8	20.6	20.8	22.7
National Biological Svc[16]	NA	NA	NA	NA	NA	NA	NA	0	162.8	166.6	170.9
National Park Service[16]	17.3	18.5	19.4	19.4	20.1	27.5	31.1	38.1	24.2	24.3	23.3
Office of the Secretary	1.0	0	4	4	2	6	9	4	1	-	-
Office of Surface Mining Reclamation & Enforcement	2.3	1.0	1.0	7	7	1.0	3	5	0	0	0
US Fish & Wildlife Service[15]	47.0	53.3	59.2	60.6	69.4	81.0	85.1	86.5	NA	NA	NA

See explanatory information, if any, and SOURCE at end of table.

Table C-93a. Federal obligations for research and development, by agency: fiscal years 1986-96

[Dollars in millions]

Page 3 of 5

Agency and subdivision	1986	1987	1988	1989	1990	1991	1992	1993	1994	Estimates	
										1995	1996
Department of Justice, total	36.5	42.4	43.1	38.2	40.5	48.9	48.0	48.9	45.0	50.9	53.5
Bureau of Prisons[17]	3.0	7.1	6.0	5.1	4.5	5.2	5.9	6.1	5.4	5.7	5.7
Drug Enforcement Admin	2.5	2.2	2.5	2.7	2.4	2.7	1.4	.9	.9	.9	.8
Fed Bureau of Investigation	7.2	8.0	12.7	7.7	8.2	10.8	10.9	11.3	7.0	10.5	10.5
Immigration & Naturalization Service	.4	.4	.3	.1	.4	.4	.4	.4	.4	.4	.4
Office of Justice Programs	23.2	24.6	21.5	22.5	25.0	29.8	29.4	30.2	31.4	33.5	36.0
Office of Legal Policy	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0
Department of Labor, total	10.4	21.6	35.6	35.4	73.0	44.0	51.7	55.0	59.7	67.0	67.2
Bureau of Labor Statistics	.6	6.5	7.0	7.0	7.3	7.5	7.6	6.9	7.1	13.1	13.3
Employment Standards Admin	.0	1.0	.1	.1	.1	.0	.0	.0	.0	.0	.0
Employment & Training Admin	3.5	5.7	14.9	15.7	53.4	22.1	31.7	35.9	40.0	40.2	39.8
Labor-Management Relations & Cooperative Programs[18]	.2	.3	.4	.3	.0	.0	NA	NA	NA	NA	NA
Occupational Safety & Health Administration	3.6	4.1	4.2	4.5	2.5	2.6	3.1	2.5	3.3	4.4	4.4
Office of the Secretary	2.1	2.7	6.1	6.1	7.1	8.7	5.9	5.8	5.3	5.9	6.3
Pension Benefit Guaranty Corporation	.1	.3	.3	.3	.5	.5	.9	1.3	1.3	.8	.5
Pension & Welfare Benefit Administration	.3	1.0	2.7	1.4	2.1	2.5	2.6	2.6	2.7	2.7	2.8
Department of State, total[19]	1.5	3.0	4.2	4.7	4.7	5.9	5.6	5.3	8.2	6.4	5.4
Dept of Transportation, total	385.5	325.0	304.6	303.3	366.6	379.9	445.0	545.3	620.7	771.3	710.1
Coast Guard	16.9	17.0	21.1	17.9	20.2	25.5	20.1	32.9	22.3	21.6	22.0
Federal Aviation Admin	260.6	167.3	160.5	146.8	216.1	220.1	236.2	248.9	285.6	295.5	287.9
Federal Highway Admin	45.5	76.7	74.1	91.0	91.5	86.9	130.2	174.9	235.7	356.5	.0
Federal Railroad Admin	15.4	11.2	10.0	9.0	10.2	15.9	22.7	25.2	19.5	33.6	40.0
Federal Transit Admin[20]	8.2	12.6	2.3	1.4	1.6	1.7	1.7	24.3	19.9	20.6	.0
Infrastructure Investment[21]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	316.3
Maritime Administration[22]	9.4	5.8	.5	.0	.9	1.7	1.8	1.7	1.7	2.7	5.0
National Highway Traffic Safety Administration	22.4	27.9	28.3	29.7	16.9	21.4	25.8	31.6	25.3	25.9	20.2
Office of the Secretary	5.1	4.5	5.7	5.5	6.8	4.3	4.1	4.5	5.4	4.0	4.9
Research & Special Programs Administration	2.0	2.1	2.1	2.0	2.4	2.4	2.5	1.3	5.3	11.0	13.9

See explanatory information, if any, and SOURCE at end of table.

Table C-93a. Federal obligations for research and development, by agency: fiscal years 1986-96

[Dollars in millions]

Agency and subdivision	1986	1987	1988	1989	1990	1991	1992	1993	1994	Estimates	
										1995	1996
Dept of the Treasury, total	24.0	26.9	26.1	25.6	25.6	30.8	24.6	16.6	19.0	51.6	52.8
Bureau of Engraving & Printing	4.2	4.5	2.0	1.7	2.1	3.5	2.0	3.2	1.7	1.5	2.6
Financial Crimes Enforcement Network	.0	.0	.0	.0	.0	2.3	1.2	1.5	0	0	0
Internal Revenue Svc[23]	14.2	14.6	14.4	14.4	16.8	17.9	17.9	6.5	11.3	40.1	40.1
Off of Thrift Supervision[24]	NA	NA	NA	NA	.0	3.0	8	7	5	6	7
United States Customs Svc	4.8	7.0	9.2	6.8	6.2	3.7	2.2	4.0	4.5	8.4	8.9
United States Mint	.3	.2	.1	2.0	.1	.1	.0	1	.5	5	0
United States Secret Svc[25]	.4	.5	.4	.6	.5	.4	.5	6	.5	6	6
Department of Veterans Affairs	186.2	209.5	215.3	234.7	237.7	216.6	223.9	236.2	248.0	260.4	258.0
Other agencies:											
Advisory Commission on Intergovernmental Relations	2.1	1.9	1.8	1.1	1.5	1.7	1.7	2.1	1.4	1.3	1.5
Agcy for Internat'l Dvlpmt[26]	251.2	217.5	204.4	279.1	334.6	377.7	365.9	382.2	254.3	288.3	222.0
Appalachian Regional Commission	.2	.1	.2	.8	.4	.7	1.9	.9	.9	9	.9
Consumer Product Safety Comm	2.0	2.2	1.1	1.3	1.1	1.3	1.1	1.2	.3	3	.3
Environmental Protection Agency	317.3	348.2	347.4	380.3	419.7	432.6	483.9	495.3	553.5	583.6	676.4
Federal Communications Comm	.9	1.0	1.2	1.1	1.3	1.4	1.6	1.6	1.7	2.1	1.8
Fed Home Loan Bank Board[24]	3.3	3.4	3.4	NA	NA	NA	NA	NA	NA	NA	NA
Federal Trade Commission	1.8	.5	.4	.4	.5	1.0	1.3	.9	7	.9	1.0
General Services Admin[27]	1.2	1.6	2.3	.5	.7	.0	.0	.0	.0	.0	.0
Library of Congress	6.6	6.5	7.1	8.0	8.4	9.0	10.3	10.5	10.0	9.7	9.7
National Aeronautics & Space Administration	3,419.8	3,787.1	4,330.4	5,393.5	6,533.2	7,280.2	7,657.6	8,019.9	8,296.2	8,571.4	8,105.7
National Archives & Records Administration[27]	1.0	1.1	.7	.3	.4	.7	.7	.3	.3	.1	.1
National Science Foundation	1,353.3	1,470.5	1,532.8	1,670.4	1,689.5	1,785.2	1,868.4	1,881.9	2,040.4	2,145.4	2,303.1
Nuclear Regulatory Commission	123.8	122.5	108.5	114.8	108.8	108.8	119.0	119.8	90.7	86.0	81.8
Office of Thrift Supervision[24]	NA	NA	NA	4.1	4.1	NA	NA	NA	NA	NA	NA
Smithsonian Institution	63.3	71.5	75.1	80.2	84.0	98.0	98.0	102.0	124.2	125.2	129.2
Social Security Admin[14]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	37.2
Tennessee Valley Authority	77.5	77.9	87.3	62.6	64.9	68.3	97.3	108.6	97.9	93.1	103.4

See explanatory information, if any, and SOURCE at end of table.

Table C-93a. Federal obligations for research and development, by agency: fiscal years 1986-96

[Dollars in millions]

Agency and subdivision	1986	1987	1988	1989	1990	1991	1992	1993	1994	Estimates	
										1995	1996
United States Arms Control & Disarmament Agency[28]	0.9	3.6	3.4	2.8	0.2	0.4	2.1	1.5	1.3	1.1	1.1
US Information Agency[29]	2.0	3.5	4	1	.5	1	.0	1.1	.6	.3	.3
US Internat'l Trade Commission	6.9	7.2	8.1	8.7	9.1	9.9	12.3	12.2	9.4	10.2	10.8

[1] Includes programs of the Farmer Cooperative Service for fiscal years 1970-76

[2] Fiscal year 1979 was the first year in which Congress appropriated funds to the Agricultural Marketing Service. Data reported for the Agricultural Marketing Service include funds for the Office of Transportation beginning in 1989.

[3] The Human Nutrition Information Service merged with the Agricultural Research Service on February 20, 1994.

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[5] Includes former Cooperative State Research Service of the Science and Education Administration for fiscal years 1978-80

[6] The Cooperative State Research Service merged with the Extension Service on October 19, 1994, due to a reorganization within the Department of Agriculture.

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[8] The Office of International Cooperation and Development became part of the Foreign Agricultural Service (FAS) in June of 1994. Data reported for FAS include funds appropriated to International Cooperation and Development programs within FAS as of fiscal year 1994.

[9] In fiscal year 1982 the Bonneville Power Administration became part of the Department of Energy

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[20] Name changed from Urban Mass Transit Administration on December 18, 1991

[21] Monies estimated for fiscal year 1996 by Infrastructure Investment represent a proposed consolidation of several agencies within the Department of Transportation.

[22] In 1981 the Maritime Administration moved from the Department of Commerce to the Department of Transportation.

[23] Due to the reorganization of the Internal Revenue Service and subsequent unavailability of data, fiscal year 1992 figures are taken from estimates made in the Vol. 41 submission. Large changes in obligations reported by this agency for Vol. 44 are due to the shifts in research funding.

[24] In 1989 the Federal Home Loan Bank Board was replaced by the Office of Thrift Supervision. In 1990 the Office of Thrift Supervision became part of the Department of the Treasury.

[25] Formerly listed as Office of Protective Research

[26] Agency for International Development (AID) became separate from the Department of State in 1979. AID includes programs of the International Development Cooperative Agency for fiscal years 1979-81.

[27] As of 1985 the National Archives and Records Administration is separate from the General Services Administration.

[28] Fiscal year 1994 figures are estimates based on the Vol. 43 submission.

[29] Data reported for the US Information Agency include funds for the former International Communication Agency for fiscal years 1977-81

NOTES: Because of rounding, detail may not add to totals.

Data for only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal Funds Survey, refer to appendix A.

KEY:
- = Amount less than 50 thousand dollars
NA = Not applicable (indicates that the agency or agency subdivision did not exist as such or in that organization in that year)

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1994, 1995, and 1996

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Table C-94. Federal obligations for R&D plant, by agency: fiscal years 1975-85

[Dollars in millions]

Page 1 of 2

Agency and subdivision	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985
Total, all agencies	820.7	836.7	1,367.2	1,295.7	1,475.5	1,555.7	1,485.7	1,389.8	1,297.5	1,787.3	1,820.8
Departments											
Dept of Agriculture, total	7.8	16.1	12.9	24.7	22.6	56.9	20.8	21.5	33.9	39.2	40.6
Agricultural Rsch Svc[1] [2]	4.5	13.2	11.1	22.0	19.1	53.2	17.6	21.1	23.4	28.8	29.0
Cooperative State Rsch, Ed. & Extension Svc[3] [4]	0	0	0	0	0	0	0	0	10.0	10.0	10.0
Forest Service	3.3	2.9	1.8	2.7	3.5	3.6	3.2	.4	.5	.4	1.6
Department of Commerce, total	9.5	6.6	7.1	4.1	2.4	4.6	1.3	1.0	.7	9.4	4.2
Maritime Administration[5]	1.1	2.2	4.9	1.0	.9	.5	NA	NA	NA	NA	NA
National Institute of Standards & Technology	1.4	.5	.7	.8	1.5	.3	.5	1.0	.7	9.4	4.2
National Oceanic & Atmospheric Administration	7.1	4.0	1.5	2.3	.0	3.9	.8	0	0	0	.0
Department of Defense, total	167.1	143.4	445.6	232.6	270.2	208.2	277.7	290.5	312.5	529.2	530.9
Department of the Army	23.9	12.3	16.3	7.6	3.8	13.8	12.8	24.7	26.3	56.2	52.9
Department of the Navy	62.7	45.8	61.2	48.3	68.1	83.2	97.9	155.9	141.7	173.4	182.1
Department of the Air Force	59.6	73.0	350.0	160.1	167.5	108.0	159.6	84.7	138.7	285.4	291.3
Defense agencies	20.9	12.3	18.1	16.6	30.8	3.2	7.4	25.2	5.8	14.2	4.6
Department of Education	NA	NA	NA	NA	.0	0	0	0	.0	0	1.1
Department of Energy[6] [7]	NA	NA	561.0	690.7	844.4	1,024.1	978.2	914.0	757.7	852.4	868.4
Department of Health, Education, & Welfare, total	39.1	33.1	132.6	74.3	NA	NA	NA	NA	NA	NA	NA
Food & Drug Administration	.7	.9	.8	.9	NA	NA	NA	NA	NA	NA	NA
Nat'l Institutes of Health	38.4	32.2	131.8	73.4	NA	NA	NA	NA	NA	NA	NA
Department of Health & Human Services, total	NA	NA	NA	NA	53.5	30.6	23.7	24.7	47.9	31.1	42.1
Alcohol, Drug Abuse, & Mental Health Administration	NA	NA	NA	NA	.1	.0	.2	3.3	1.8	.3	.4
Food & Drug Administration	NA	NA	NA	NA	5.8	1.2	1.2	2.0	28.5	3.0	13.0
Nat'l Institutes of Health[8]	NA	NA	NA	NA	47.6	29.4	22.3	19.4	17.5	27.8	28.8
Dept of the Interior, total	3.9	5.9	5.0	15.0	5.0	7.5	3.5	1.3	2.4	5.2	4.2
Bonneville Power Admin[6]	.1	.1	.0	.0	0	0	.3	NA	NA	NA	NA
Bureau of Mines	0	.0	3.4	7.1	.3	1.0	.6	.1	.1		.0
Geological Survey[9]	0	0	0	0	.0	0	0	.0	1.4	1.0	.8
National Park Service[10]	-	-	-	0	0	0	0	0	0	0	0
Office of Surface Mining Reclamation & Enforcement	NA	NA	0	0	0	.3	0	0	0	0	0
Off of Water Rsch & Tech[9]	0	0	.9	.6	.7	.7	.8	.9	0	0	0
US Fish & Wildlife Service[10]	3.8	5.8	.6	7.3	4.0	5.5	1.8	.3	.9	4.2	3.4

See explanatory information, if any, and SOURCE at end of table

Table C-94. Federal obligations for R&D plant, by agency: fiscal years 1975-85

[Dollars in millions]

Page 2 of 2

Agency and subdivision	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985
Department of State, total[11]	0	5.1	16.2	0.2	0	0	0	0	0	0	0
Agcy for Internat'l Dvlpmt[12]	0	5.1	16.2	2	NA	NA	NA	NA	NA	NA	NA
Dept of Transportation, total	13.3	14.2	22.5	14.1	22.6	23.3	18.9	11.9	21.9	16.9	9.0
Coast Guard	6	4	6	7	0	0	0	0	0	0	0
Federal Aviation Admin	3.4	2.0	3.0	1.0	9.9	5.7	8.9	5.1	21.4	16.4	8.5
Federal Highway Admin	4	4	4	4	6	7.2	-	0	0	0	0
Federal Railroad Admin	7.0	10.1	16.6	11.8	11.9	10.2	9.5	6.3	0	0	0
Federal Transit Admin[13]	1.8	1.3	1.7	0	0	0	0	0	0	0	0
National Highway Traffic Safety Administration	0	0	2	2	2	2	5	5	5	5	5
Dept of the Treasury, total		1	1	-	-		1	1	1	1	1
Bureau of Engraving & Printing	-	0	0	0	0	0	0	0	0	0	0
United States Customs Svc	0	1	1	-	-	-	1	1	1	1	1
Department of Veterans Affairs	2.2	11.8	5.9	4.1	5.1	4.4	14.8	2.8	10.5	6.1	3.3
Other agencies											
Agcy for Internat'l Dvlpmt[12]	NA	NA	NA	NA	6.4	6.3	8.0	6.0	4.8	7.8	6.9
Consumer Product Safety Comm	1.9	2	0	3	2.7	2.7	0	0	0	0	0
Energy Rsch & Dvlpmt Admin[7]	392.6	438.8	NA	NA	NA	NA	NA	NA	NA	NA	NA
Environmental Protection Agency	2.1	6.3	2.1	4.6	2.4	0	0	0	0	0	0
National Aeronautics & Space Administration	142.7	82.1	118.1	162.3	147.5	159.1	115.8	113.7	100.8	244.2	234.3
National Science Foundation	23.1	52.6	27.1	39.7	30.2	18.7	14.6	1.5	3.2	45.2	73.6
Nuclear Regulatory Commission	3.0	9.6	7.1	6.9	8.6	7.7	7.7	0	0	0	0
Smithsonian Institution	4	5	2	2	1.0	9	4	5	1.0	2	1.6
Tennessee Valley Authority	12.2	10.2	3.7	21.9	50.8	6	4	3	3	2	5

[1] The Human Nutrition Information Service merged with the Agricultural Research Service on February 20, 1994.

[2] Includes the former Agriculture Research Service of the Science and Education Administration for fiscal years 1978-80.

[3] Includes former Cooperative State Research Service of the Science and Education Administration for fiscal years 1978-80.

[4] The Cooperative State Research Service merged with the Extension Service on October 19, 1994, due to a reorganization within the Department of Agriculture.

[5] In 1981 the Maritime Administration moved from the Department of Commerce to the Department of Transportation.

[6] In fiscal year 1982 the Bonneville Power Administration became part of the Department of Energy.

[7] In 1977 the Energy Research and Development Administration became part of the Department of Energy.

[8] Fiscal year 1992 figures include obligations from the Alcohol, Drug Abuse, and Mental Health Administration. Due to reorganization within the Department of Health and Human Services, the Alcohol, Drug Abuse, and Mental Health Administration ceased to exist as of October 1992, and its research and development functions are reported with the National Institutes of Health data beginning with Vol. 42.

[9] As of 1985 the Office of Water Research and Technology has been combined with the Geological Survey.

[10] The National Biological Service's name changed from the National Biological Survey on January 5, 1995. As of fiscal year 1994, the National Biological Service performs all biological research activities formerly funded by the US Fish & Wildlife Service and the National Park Service.

[11] Increases in outlays and obligations reported by the Department of State during the Vol. 44 survey cycle reflect reporting of monies received through interagency agreements from the Agency for International Development. The Department of State transfers these outlays and obligations to other R&D performers.

[12] Agency for International Development (AID) became separate from the Department of State in 1979. AID includes programs of the International Development Cooperative Agency for fiscal years 1979-81.

[13] Name changed from Urban Mass Transit Administration on December 18, 1991.

NOTES: Because of rounding, detail may not add to totals.

Data for only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal Funds Survey, refer to appendix A.

KEY: - = Amount less than 50 thousand dollars
NA = Not applicable (indicates that the agency or agency subdivision did not exist as such or in that organization in that year)

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1994, 1995, and 1996.

Table C-94a. Federal obligations for R&D plant, by agency: fiscal years 1986-96

[Dollars in millions]

Page 1 of 2

Agency and subdivision	1986	1987	1988	1989	1990	1991	1992	1993	1994	Estimates	
										1995	1996
Total, all agencies	1,538.8	1,846.0	2,057.1	2,165.1	2,271.7	2,852.8	2,984.6	3,100.7	2,171.2	2,934.8	2,063.6
Departments											
Dept of Agriculture, total	79.4	111.8	135.2	89.2	102.2	144.6	164.7	142.4	125.7	164.4	82.6
Agricultural Rsch Svc[1, 2]	69.2	43.9	55.5	55.2	44.4	64.7	98.1	78.3	78.3	77.4	75.3
Animal & Plant Health Inspection Service	0	0	.5	.3	6.1	0	0	0	0	0	2.0
Cooperative State Rsch, Ed & Extension Svc[3, 4]	9.5	67.6	76.2	32.2	46.9	61.5	63.0	60.5	42.6	82.7	0
Forest Service	.6	.3	2.9	1.6	4.9	18.4	3.6	3.6	4.9	4.3	5.3
Department of Commerce, total	9.3	5.2	11.2	9.1	15.4	15.7	21.0	25.4	31.2	200.2	68.7
National Institute of Standards & Technology	7.7	2.0	10.7	8.6	8.8	8.5	11.2	12.6	30.9	199.9	68.4
National Oceanic & Atmospheric Administration	1.5	3.2	.5	.5	6.6	7.3	9.9	12.8	.3	.3	.3
Department of Defense, total	286.1	477.2	435.8	499.3	487.3	425.7	396.5	371.5	221.5	149.6	150.5
Department of the Army	53.9	65.8	92.8	45.1	53.1	91.0	22.0	18.1	2.1	5.5	5.5
Department of the Navy	97.6	69.0	74.9	89.6	60.4	54.0	96.0	45.5	76.1	20.9	7.3
Department of the Air Force	130.1	270.3	143.7	250.2	322.2	152.3	179.7	231.6	99.3	37.8	27.1
Defense agencies	4.5	72.1	124.4	114.4	51.6	128.4	98.8	76.3	44.0	85.4	110.5
Department of Education	6.6	21.0	5.2	1.9	8.9	4.2	2.4	2.2	1.8	1.9	1.8
Department of Energy[1, 5]	742.3	772.2	915.0	873.0	916.0	1,220.1	1,320.8	1,461.5	911.8	817.5	927.9
Department of Health & Human Services, total	37.9	36.7	19.5	78.6	107.8	86.3	96.7	149.3	120.2	374.1	160.9
Alcohol, Drug Abuse, & Mental Health Administration	.5	.6	0	0	0	0	NA	NA	NA	NA	NA
Food & Drug Administration	8.0	.8	.5	23.0	23.0	18.4	14.3	19.7	8.4	5.3	12.2
Health Resources & Services Administration	0	0	0	0	0	.3	.3	1.4	1.4	1.6	1.6
Nat'l Institutes of Health[7]	29.4	35.3	19.0	55.6	84.8	67.8	82.1	128.2	110.5	367.2	147.1
Social Security Admin[8]	0	0	0	0	0		0	0	0	0	NA
Dept of the Interior, total	4.3	11.8	9.4	10.8	14.0	22.2	18.4	23.1	9.0	6.7	4.1
Bureau of Mines	0	0	0	2.6	3.0	2.1	0	0	0	0	0
Geological Survey[9]	.8	.8	.8	1.3	1.3	3.3	4.3	3.8	6.4	5.4	1.4
Minerals Management Service	0	0	0	0	.2	.3	1.0	1.1	1.2	1.0	1.0
National Biological Svc[10]	NA	NA	NA	NA	NA	NA	NA	0	1.4	.3	1.8
US Fish & Wildlife Service[11]	3.5	11.0	8.6	6.9	9.5	16.6	13.1	18.3	NA	NA	NA

See explanatory information, if any, and SOURCE at end of table

Table C-94a. Federal obligations for R&D plant, by agency: fiscal years 1986-96

[Dollars in millions]

Page 2 of 2

Agency and subdivision	1986	1987	1988	1989	1990	1991	1992	1993	1994	Estimates	
										1995	1996
Department of Justice, total	0	11.1	0	0	0	0	0	0	0	0	0
Fed Bureau of Investigation	0	11.1	0	0	0	0	0	0	0	0	0
Dept of Transportation, total	12.1	11.2	13.9	15.5	21.8	18.4	25.3	32.3	40.9	29.6	23.8
Coast Guard	0	0	.3	0	.4	.4	.4	.5	.5	.5	.5
Federal Aviation Admin	10.9	10.4	13.2	15.5	21.4	16.3	24.0	22.4	33.0	24.0	20.7
Federal Highway Admin	.7	.3	0	0	0	0	.8	.9	6.3	3.8	0
Federal Railroad Admin	0	0	.4	0	0	1.7	.1	1.6	1.1	1.3	.4
Federal Transit Admin[11]	0	0	0	0	0	0	0	7.0	0	0	0
Infrastructure Investment[12]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2.1
National Highway Traffic Safety Administration	.5	.5	0	0	0	0	0	0	0	0	0
Dept of the Treasury, total	.1	.1	.1	.1	.1	.1	.1	.2	.2	.2	.2
United States Customs Svc	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1
United States Secret Svc[13]	.1	-	-	-	-	-	-	-	-	-	-
Department of Veterans Affairs	4.8	3.9	19.5	11.0	3.3	3.4	5.7	3.4	11.7	6.0	2.2
Other agencies											
Agcy for Internat'l Dvlpmt[14]	7.5	6.8	6.1	0	0	0	0	0	0	0	0
Environmental Protection Agency	0	0	0	0	0	0	0	2.5	4.8	4.9	5.3
General Services Admin[15]	18.6	0	0	0	18.6	22.6	6.5	1.0	.3	.2	0
National Aeronautics & Space Administration	275.0	309.4	428.2	519.5	527.0	723.6	817.8	749.4	515.3	869.2	392.8
National Science Foundation	53.2	51.3	56.9	53.6	39.3	159.6	101.6	130.4	171.9	304.3	236.9
Smithsonian Institution	.7	2.9	.7	3.4	4.8	1.5	3.8	5.0	5.0	5.0	5.0
Tennessee Valley Authority	.8	.3	.4	.2	4.9	4.6	3.2	1.0	0	1.0	1.0
United States Arms Control & Disarmament Agency[16]	0	1.0	0	0	0	0	0	0	0	0	0

[1] The Human Nutrition Information Service merged with the Agricultural Research Service on February 20, 1994.

[2] Includes the former Agriculture Research Service of the Science and Education Administration for fiscal years 1978-80.

[3] Includes former Cooperative State Research Service of the Science and Education Administration for fiscal years 1978-80.

[4] The Cooperative State Research Service merged with the Extension Service on October 19, 1994, due to a reorganization within the Department of Agriculture.

[5] In fiscal year 1982 the Bonneville Power Administration became part of the Department of Energy.

[6] In 1977 the Energy Research and Development Administration became part of the Department of Energy.

[7] Fiscal year 1992 figures include obligations from the Alcohol, Drug Abuse, and Mental Health Administration. Due to reorganization within the Department of Health and Human Services, the Alcohol, Drug Abuse, and Mental Health Administration ceased to exist as of October 1992, and its research and development functions are reported with the National Institutes of Health data beginning with Vol. 42.

[8] As of March 31, 1995, the Social Security Administration became an independent agency; it is no longer part of the Department of Health & Human Services.

[9] As of 1985 the Office of Water Research and Technology has been combined with the Geological Survey.

[10] The National Biological Service's name changed from the National Biological Survey on January 5, 1995. As of fiscal year 1994, the National Biological Service performs all biological research activities formerly funded by the US Fish & Wildlife Service and the National Park Service.

[11] Name changed from Urban Mass Transit Administration on December 18, 1991.

[12] Monies estimated for fiscal year 1996 by Infrastructure Investment represent a proposed consolidation of several agencies within the Department of Transportation.

[13] Formerly listed as Office of Protective Research.

[14] Agency for International Development (AID) became separate from the Department of State in 1979. AID includes programs of the International Development Cooperative Agency for fiscal years 1979-81.

[15] As of 1985 the National Archives and Records Administration is separate from the General Services Administration.

[16] Fiscal year 1994 figures are estimates based on the Vol. 43 submission.

NOTES: Because of rounding, detail may not add to totals.

Data for only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal Funds Survey, refer to appendix A.

KEY: - = Amount less than 50 thousand dollars
NA = Not applicable (indicates that the agency or agency subdivision did not exist as such or in that organization in that year)

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1994, 1995, and 1996.

Table C-95. Federal obligations for research, development, and R&D plant: fiscal years 1970-96

[Dollars in millions]

Page 1 of 1

Fiscal years	Total	Research		Development	R&D plant
		Basic	Applied		
1970	15,863.4	1,925.9	2,974.9	10,438.1	524.4
1971	16,153.8	1,980.1	3,143.0	10,419.3	611.2
1972	17,098.0	2,186.9	3,360.8	10,948.2	602.1
1973	17,574.5	2,232.0	3,349.4	11,218.7	774.3
1974	18,176.5	2,387.7	3,787.6	11,234.9	766.3
1975	19,859.5	2,588.4	4,141.3	12,309.1	820.7
1976	21,616.4	2,767.5	4,851.9	13,160.3	836.7
1977	24,817.6	3,258.6	5,255.5	14,936.3	1,367.2
1978	27,140.8	3,698.6	5,908.2	16,238.1	1,295.7
1979	29,620.6	4,192.7	6,342.3	17,610.1	1,475.5
1980	31,386.1	4,674.2	6,923.2	18,233.1	1,555.7
1981	34,589.6	5,041.3	7,171.5	20,891.1	1,485.7
1982	37,822.4	5,481.6	7,540.6	23,410.4	1,389.8
1983	40,009.0	6,260.1	7,993.4	24,458.0	1,297.5
1984	44,012.1	7,067.4	7,911.4	27,246.1	1,787.3
1985	50,180.4	7,818.7	8,314.7	32,226.1	1,820.8
1986	52,951.2	8,153.1	8,349.1	34,910.2	1,538.8
1987	57,099.7	8,942.4	8,998.1	37,313.2	1,846.0
1988	58,826.5	9,473.6	9,176.5	38,119.3	2,057.1
1989	63,571.6	10,602.0	10,163.5	40,641.0	2,165.1
1990	65,831.2	11,285.6	10,336.8	41,937.1	2,271.7
1991	64,148.0	12,170.8	11,797.6	37,326.8	2,852.8
1992	68,577.2	12,489.9	12,000.7	41,102.0	2,984.6
1993	70,414.7	13,399.1	13,491.4	40,423.5	3,100.7
1994	69,427.0	13,552.9	13,887.5	39,815.4	2,171.2
1995 (estimates)	73,028.7	13,569.1	14,234.8	42,290.0	2,934.8
1996 (estimates)	70,906.0	14,037.4	14,233.5	40,571.5	2,063.6

NOTE: Because of rounding, detail may not add to totals.

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1994, 1995, and 1996

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Table C-96. Federal obligations for research, by selected agency: fiscal years 1975-85

[Dollars in millions]

Page 1 of 5

Selected agency	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985
Total, all agencies	6,729.7	7,619.3	8,514.1	9,606.8	10,535.0	11,597.4	12,212.8	13,022.2	14,253.5	14,978.8	16,133.4
Departments											
Dept of Agriculture, total	401.9	442.2	524.0	594.5	631.9	657.4	741.0	766.5	817.6	834.9	910.9
Agricultural Coop Svc[1]	1.2	1.2	0	0	0	1.6	1.7	1.7	2.1	2.2	2.9
Agricultural Marketing Svc[2]	NA	NA	NA	NA	4	1.0	9	1.0	1.1	1.2	1.3
Agricultural Rsch Svc[3] [4]	204.1	227.6	281.0	303.7	320.9	328.6	367.9	379.1	417.9	424.3	442.0
Cooperative State Rsch, Ed. & Extension Svc[5] [6]	101.1	113.4	127.3	157.4	172.6	184.2	199.4	219.0	232.3	235.7	284.3
Economics, Stat & Coop Svc[7]	NA	NA	29.7	32.7	35.5	NA	NA	NA	NA	NA	NA
Economic Research Svc	21.3	24.0	NA	NA	NA	NA	39.3	39.3	38.8	43.7	46.4
Economics & Statistics Svc[8]	NA	NA	NA	NA	NA	31.1	NA	NA	NA	NA	NA
Grain Inspection Packers & Stockyards Administration[9]	NA	0	0	0	0	0	0	0	0	0	8
Forest Service	73.3	74.5	86.1	100.7	102.5	106.1	119.9	107.7	103.9	105.1	109.8
Human Nutrition Info Svc[3]	NA	NA	NA	NA	NA	NA	0	8.5	8.2	6.0	6.7
Nat'l Agricultural Library	-	-	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nat'l Agricultural Stat Svc	1.0	1.6	NA	NA	NA	NA	7.5	7.0	7.6	8.2	8.4
Office of International Cooperation & Dvlpmt[10]	NA	NA	NA	NA	0	4.9	3.6	2.4	4.8	7.5	7.3
Office of Transportation[2]	NA	NA	NA	NA	0	0	8	8	8	9	1.1
Department of Commerce, total	144.4	155.7	176.1	192.8	219.5	254.4	249.4	276.1	284.8	296.7	324.2
Bureau of the Census	7	2.1	2.0	2.3	1.8	1.9	3.0	1.9	2.2	2.4	2.5
Economic Development Admin	1.1	2.1	2.5	5.9	8.5	2.5	1.8	1.6	5.3	5.1	2.0
Maritime Administration[11]	5.7	5.0	3.7	7.0	12.2	12.1	NA	NA	NA	NA	NA
Minority Business Dvlpmt Agcy	9	4	7	0	0	0	0	0	0	0	0
National Fire Prevention & Control Administration	7	3.2	4.5	NA	NA	NA	NA	NA	NA	NA	NA
National Institute of Standards & Technology	34.7	37.5	45.0	48.5	51.8	58.9	66.2	73.9	81.5	83.7	86.5
National Oceanic & Atmospheric Administration	99.7	104.9	115.8	127.9	142.7	168.8	168.5	188.5	188.9	197.7	224.4
National Telecommunications & Information Administration	NA	NA	2.0	1.1	2.4	9.6	9.9	10.1	6.9	7.7	7.9
Office of Telecommunications	6	4	NA	NA	NA	NA	NA	NA	NA	NA	NA
Office of the Secretary	0	0	0	0	1	5	0	-	-	-	9
Patent & Trademark Office	3	2	0	0	0	0	0	0	0	0	0
Department of Defense, total	1,431.0	1,527.5	1,715.8	1,824.1	2,014.1	2,261.8	2,600.9	2,952.8	3,222.6	3,048.5	3,168.3
Department of the Army	336.4	362.4	398.0	409.8	448.6	479.3	536.5	639.2	693.6	708.8	823.4
Department of the Navy	406.5	438.0	497.4	526.3	567.3	611.1	698.0	778.7	827.0	765.4	791.3
Department of the Air Force	355.8	382.3	425.8	448.7	492.3	537.3	617.3	633.9	688.4	740.1	736.7
Defense agencies	330.6	344.1	393.4	431.7	505.9	634.1	749.1	901.0	1,013.6	834.3	816.9
Defense Civil Preparedness Agency	1.7	7	1.3	7.5	NA	NA	NA	NA	NA	NA	NA
Department of Education	NA	NA	NA	NA	93.4	87.6	53.8	70.5	76.1	80.9	91.9
Department of Energy[12] [13]	NA	NA	891.3	1,102.2	1,131.8	1,277.3	1,413.6	1,696.1	1,961.1	2,024.9	2,141.0

See explanatory information, if any, and SOURCE at end of table.

Table C-96. Federal obligations for research, by selected agency: fiscal years 1975-85

[Dollars in millions]

Page 2 of 5

Selected agency	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985
Department of Health Education, & Welfare, total	1.924.8	2.150.7	2.414.3	2.740.7	NA	NA	NA	NA	NA	NA	NA
Alcohol, Drug Abuse, & Mental Health Administration	139.4	136.6	152.0	178.8	NA	NA	NA	NA	NA	NA	NA
Centers for Disease Control & Prevention	42.6	49.6	55.3	60.1	NA	NA	NA	NA	NA	NA	NA
Food & Drug Administration	35.9	37.1	42.9	64.1	NA	NA	NA	NA	NA	NA	NA
Health Care Financing Admin	NA	NA	30.0	19.4	NA	NA	NA	NA	NA	NA	NA
Health Resources Admin	16.7	31.0	7.4	5.0	NA	NA	NA	NA	NA	NA	NA
Health Services Admin	10.6	9.5	9.5	10.6	NA	NA	NA	NA	NA	NA	NA
Nat'l Institute of Education	4.1	10.8	27.1	34.6	NA	NA	NA	NA	NA	NA	NA
Nat'l Institutes of Health	1.604.2	1.767.7	1.968.7	2.232.6	NA	NA	NA	NA	NA	NA	NA
Office of the Assistant Secretary for Education	6	1.0	1.0	1.3	NA	NA	NA	NA	NA	NA	NA
Office of the Assistant Secretary for Health	0	0	28.6	32.6	NA	NA	NA	NA	NA	NA	NA
Office of Education	5.3	21.4	11.9	13.3	NA	NA	NA	NA	NA	NA	NA
Off of Human Dvlpmnt Svcs	7.1	34.6	48.7	45.2	NA	NA	NA	NA	NA	NA	NA
Office of the Secretary	26.2	23.7	20.0	30.2	NA	NA	NA	NA	NA	NA	NA
Social & Rehabilitation Svc	9.6	18.6	NA	NA	NA	NA	NA	NA	NA	NA	NA
Social Security Admin	22.6	9.1	11.2	12.9	NA	NA	NA	NA	NA	NA	NA
Department of Health & Human Services, total	NA	NA	NA	NA	3.015.7	3.332.8	3.492.2	3.605.6	4.020.8	4.466.0	5.028.3
Alcohol, Drug Abuse, & Mental Health Administration	NA	NA	NA	NA	213.5	233.5	237.7	246.1	300.4	336.0	376.4
Centers for Disease Control & Prevention	NA	NA	NA	NA	76.3	87.3	74.8	75.0	78.2	46.3	47.6
Food & Drug Administration	NA	NA	NA	NA	61.0	75.4	71.4	73.0	74.2	77.8	82.1
Health Care Financing Admin	NA	NA	NA	NA	31.8	45.7	38.6	29.1	30.2	33.1	33.5
Health Resources Admin	NA	NA	NA	NA	4.9	5.1	5.0	NA	NA	NA	NA
Health Resources & Services Administration	NA	NA	NA	NA	NA	NA	NA	6.7	11.0	16.2	18.2
Health Svcs Administration	NA	NA	NA	NA	10.2	8.0	10.2	NA	NA	NA	NA
Human Development Svcs[14]	NA	NA	NA	NA	14.9	19.1	39.9	8.7	6.9	4.5	5.8
Nat'l Institutes of Health[15]	NA	NA	NA	NA	2.530.1	2.787.5	2.948.3	3.124.5	3.478.2	3.910.4	4.428.1
Office of the Assistant Secretary for Health[16]	NA	NA	NA	NA	29.9	25.7	28.8	13.9	16.6	18.1	16.9
Office of the Secretary	NA	NA	NA	NA	24.7	24.0	19.5	13.1	14.4	10.0	9.4
Social Security Admin[17]	NA	NA	NA	NA	18.3	21.4	18.0	15.5	10.8	13.5	10.4
Dept of Housing & Urban Dvlpmt	33.5	36.9	32.7	30.5	23.8	19.6	16.7	10.3	11.3	6.3	6.5
Dept of the Interior, total	234.1	259.5	255.9	283.5	339.5	354.4	369.8	351.5	357.7	380.2	369.3
Bonneville Power Admin[12]	5	5	0	0	0	0	6.5	NA	NA	NA	NA
Bureau of Land Management	7	7	8	1.0	1.1	1.3	1.5	2.4	2.0	1.8	2.8
Bureau of Mines	52.9	73.3	52.3	57.0	79.1	82.8	68.0	81.1	79.4	97.2	86.5
Bureau of Reclamation	7.3	7.9	9.3	10.6	11.4	12.9	13.4	9.0	8.8	9.0	11.2
Geological Survey[18]	106.6	110.3	117.5	133.7	145.1	145.8	169.3	152.1	154.7	204.0	210.5
Heritage Conservation & Recreation Service				NA	NA	NA	NA	NA	NA	NA	NA
Minerals Management Service	NA	NA	NA	NA	NA	NA	NA	0	1.5	1.5	1.4
National Park Service[19]	8.4	9.3	7.5	7.7	8.9	8.2	10.4	11.2	13.7	14.0	15.0
Office of the Secretary	1.3	1.0	4.5	1.7	1.4	2.2	1.5	5	7.4	1	1.9
Office of Surface Mining Reclamation & Enforcement	NA	NA	0	2.2	5.0	7.5	5.8	1.5	1.5	8	2.0
Off of Water Rsch & Tech[18]	15.4	14.0	12.3	15.4	17.8	18.4	15.8	10.1	1.2	3.6	0
US Fish & Wildlife Service[19]	40.9	42.5	51.7	54.2	69.6	75.2	77.8	83.6	87.5	48.3	37.9

See explanatory information, if any, and SOURCE at end of table.

Table C-96. Federal obligations for research, by selected agency: fiscal years 1975-85

[Dollars in millions]

Page 3 of 5

Selected agency	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985
Department of Justice, total	18.9	18.3	17.6	45.7	28.8	28.8	19.5	16.3	20.7	17.9	19.3
Bureau of Prisons[10]	0	0	1	7	5	9	1.7	9	1.3	1.2	1.1
Drug Enforcement Admin	9	5	9	5	7	8	4	1.3	9	7	5
Immigration & Naturalization Service	-	1	1	2	1	2	1	3	3	3	2
Office of Justice Programs	17.9	17.7	16.4	43.3	25.9	25.6	16.7	13.4	18.0	15.7	17.2
Office of Legal Policy	0	0	0	1.1	1.6	1.3	7	4	2	0	3
Department of Labor, total	15.3	18.0	18.7	25.7	42.1	36.4	58.2	17.2	17.9	16.3	12.4
Bureau of Labor Statistics	7	8	9	8	9	9	3	3	7	5	6
Employment Standards Admin	3.2	4.3	4.4	3.7	5.3	4.9	3.2	1.4	1.4	9	-
Employment & Training Admin	7.1	7.5	6.4	14.9	25.9	20.1	48.8	8.7	7.9	6.1	3.5
Labor-Management Relations & Cooperative Programs[11]	NA	NA	NA	NA	NA	NA	NA	NA	NA	3	3
Labor-Management Services Administration[11]	8	7	3.3	2.8	3.2	2.8	1.8	7	9	0	0
Occupational Safety & Health Administration	1.4	2.9	3.4	1.3	5.1	6.3	3.0	4.9	5.3	5.1	4.5
Office of the Secretary	2.0	1.8	2	2.2	1.6	1.4	1.1	9	1.5	1.9	1.7
Pension Benefit Guaranty Corporation	NA	NA	NA	NA	NA	NA	1	3	3	3	2
Pension & Welfare Benefit Administration	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.2	1.6
Department of State, total[12]	22.5	25.1	38.3	49.1	2.7	2.0	1.6	1.5	1.5	1.6	1.5
Agcy for Internat'l Dvlpmt[13]	21.7	24.0	36.2	46.6	NA	NA	NA	NA	NA	NA	NA
Departmental funds	7	1.1	2.1	2.5	2.7	2.0	1.6	0	0	0	0
Dept of Transportation, total	53.8	31.1	51.8	66.5	67.0	82.4	88.6	66.7	72.6	77.7	71.2
Coast Guard	4.3	2.6	2.5	2.3	10.9	8.1	15.0	1.7	1.2	7.2	5.4
Federal Aviation Admin	14.1	3.6	4.7	6.8	7.5	8.2	8.2	7.0	12.5	15.0	17.3
Federal Highway Admin	3.4	1.9	5.3	4.9	4.4	4.6	5.1	5.3	7.3	6.1	6.3
Federal Railroad Admin	2.7	8.6	6.6	9.2	7.5	7.9	6.2	3.1	2.8	12.3	11.4
Federal Transit Admin[14]	2.9	.6	1.0	1.1	1.1	8.9	9.3	19.4	18.3	1.0	.5
Maritime Administration[11]	NA	NA	NA	NA	NA	NA	9.5	6.6	6.2	8.6	8.0
National Highway Traffic Safety Administration	12.0	9.9	27.5	38.0	30.0	38.6	29.4	21.3	21.4	24.7	20.9
Office of the Secretary	14.4	3.9	4.2	4.1	6	6	7	3	3	9	.9
Research & Special Programs Administration	NA	NA	0	1	5.0	5.5	5.2	2.1	2.6	1.8	.5

See explanatory information, if any, and SOURCE at end of table.

Table C-96. Federal obligations for research, by selected agency: fiscal years 1975-85

[Dollars in millions]

Selected agency	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985
Dept of the Treasury, total	0.4	1.5	2.1	4.1	4.7	5.7	5.2	8.1	10.2	10.6	18.3
Bureau of Alcohol, Tobacco & Firearms	0	0	4	4	7	3	1	NA	NA	NA	NA
Bureau of Engraving & Printing	4	1.5	1.7	1.9	6	1.3	9	2.8	2.0	2.2	3.4
Internal Revenue Svc[25]	0	0	0	1.8	3.5	3.9	4.2	5.3	7.9	8.1	14.7
United States Customs Svc	0	0	0	0	0	1	1	.	0	1	1
United States Secret Svc[26]	NA	NA	NA	NA	NA	0	0	0	3	1	2
Department of Veterans Affairs	87.1	85.1	92.3	99.4	111.4	117.9	127.7	123.0	146.1	171.9	209.1
Other agencies											
Action	2	1	1	2	0	0	0	0	0	0	0
Advisory Commission on Intergovernmental Relations	1.2	1.0	1.5	1.7	1.7	2.2	2.2	2.0	2.1	2.1	2.4
Agcy for Internat'l Dvlpmt[13]	NA	NA	NA	NA	66.9	79.7	86.4	127.9	156.7	167.0	159.8
Appalachian Regional Commission	NA	7	6	3	7	6	3	3	2	4	2
Civil Service Commission	1.5	1.1	1.1	NA	NA	NA	NA	NA	NA	NA	NA
Community Services Admin	2	0	1.0	2.0	1.8	1.3	1.9	NA	NA	NA	NA
Consumer Product Safety Comm	3.0	3.5	3.7	9	1.8	1.6	2	1	3	1.1	1.4
Energy Rsch & Dvlpmt Admin[13]	593.4	746.5	NA	NA	NA	NA	NA	NA	NA	NA	NA
Environmental Protection Agency	141.7	155.4	205.3	252.7	259.0	245.1	218.3	243.4	174.6	172.0	214.6
Federal Communications Comm	1.1	1.5	2.0	2.4	2.9	3.4	1.8	1.2	1.3	9	1.2
Federal Emergency Management Agency	NA	NA	NA	4.8	9.7	9.3	9.1	9.2	3.3	6.1	2.9
Federal Energy Administration	2	1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA
Fed Home Loan Bank Board[27]	7	8	1.7	1.0	9	1.2	1.0	2.7	3.0	2.6	2.8
Federal Trade Commission	9	9	1.1	1.4	1.5	3.0	1.1	1.2	1.4	1.6	1.7
General Services Admin[28]	9	4	4	2.2	2	1	4	5	2	4	4
Interstate Commerce Comm	0	1	1	3	2	1	0	0	0	0	0
Library of Congress	4	4	4	5	6	6	9	9	1.3	2.1	2.1
National Aeronautics & Space Administration	935.1	1,222.8	1,206.1	1,345.2	1,451.2	1,609.6	1,407.2	1,407.1	1,544.8	1,709.2	1,783.6
National Archives & Records Administration[28]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2
National Science Foundation	570.0	595.8	688.3	743.5	800.0	873.7	955.5	973.2	1,062.0	1,202.8	1,345.6
Nuclear Regulatory Commission	64.2	88.4	112.3	133.9	148.8	182.7	219.7	220.3	207.3	190.7	150.0
Office of Personnel Management	NA	NA	NA	1.0	1.4	2.6	3.4	0	0	0	0
Office of Telecomm Policy	2.5	1.9	NA	NA	NA	NA	NA	NA	NA	NA	NA
Office of Thrift Supervision[27]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Small Business Administration	2	1	5	0	0	0	0	0	0	0	0
Smithsonian Institution	24.8	25.7	29.7	34.9	36.9	41.0	44.9	52.4	56.0	63.6	71.1
Special Action Office for Drug Abuse Prevention	3.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tennessee Valley Authority	14.7	16.5	22.9	13.5	16.5	15.8	14.2	12.7	12.3	14.3	14.4

See explanatory information, if any, and SOURCE at end of table.

Table C-96. Federal obligations for research, by selected agency: fiscal years 1975-85

[Dollars in millions]

Page 5 of 5

Selected agency	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985
United States Arms Control & Disarmament Agency[29]	1.0	1.4	1.8	2.5	2.7	3.0	1.6	1.3	0.8	1.2	1.1
US Information Agency[30]	1	1	1	1	1	1	1.1	0		1.4	1
US Internat'l Trade Commission	0	1.5	2.6	3.1	3.4	2.1	3.4	3.8	4.7	5.0	5.8

[1] Includes programs of the Farmer Cooperative Service for fiscal years 1970-76

[2] Fiscal year 1979 was the first year in which Congress appropriated funds to the Agricultural Marketing Service. Data reported for the Agricultural Marketing Service include funds for the Office of Transportation beginning in 1989.

[3] The Human Nutrition Information Service merged with the Agricultural Research Service on February 20, 1994.

[4] Includes the former Agriculture Research Service of the Science and Education Administration for fiscal years 1978-80

[5] Includes former Cooperative State Research Service of the Science and Education Administration for fiscal years 1978-80

[6] The Cooperative State Research Service merged with the Extension Service on October 19, 1994, due to a reorganization within the Department of Agriculture.

[7] Includes programs of the Economic Research Service, the Statistical Reporting Service, and the Farmer Cooperative Service for fiscal years 1977-79

[8] Includes programs of the Economic Research Service and the Statistical Reporting Service for fiscal year 1980

[9] Name changed from Federal Grain Inspection Service on October 20, 1994

[10] The Office of International Cooperation and Development became part of the Foreign Agricultural Service (FAS) in June of 1994. Data reported for FAS include funds appropriated to International Cooperation and Development programs within FAS as of fiscal year 1994.

[11] In 1981 the Maritime Administration moved from the Department of Commerce to the Department of Transportation.

[12] In fiscal year 1982 the Bonneville Power Administration became part of the Department of Energy.

[13] In 1977 the Energy Research and Development Administration became part of the Department of Energy.

[14] In fiscal year 1991 Human Development Services was replaced by the Administration for Children and Families and by the Administration on Aging. Beginning in fiscal year 1992, data shown for the Administration for Children and Families are separate from obligations for the Administration on Aging. Obligations reported for the Administration for Children and Families may be incomplete for fiscal year 1992 due to unavailability of data.

[15] Fiscal year 1992 figures include obligations from the Alcohol, Drug Abuse, and Mental Health Administration. Due to reorganization within the Department of Health and Human Services, the Alcohol, Drug Abuse, and Mental Health Administration ceased to exist as of October 1992, and its research and development functions are reported with the National Institutes of Health data beginning with Vol. 42.

[16] In fiscal year 1991 the Agency for Health Care Policy and Research became separate from the Office of the Assistant Secretary for Health.

[17] As of March 31, 1995, the Social Security Administration became an independent agency; it is no longer part of the Department of Health & Human Services.

[18] As of 1985 the Office of Water Research and Technology has been combined with the Geological Survey.

[19] The National Biological Service's name changed from the National Biological Survey on January 5, 1995. As of fiscal year 1994, the National Biological Service performs all biological research activities formerly funded by the US Fish & Wildlife Service and the National Park Service.

[20] The Bureau of Prisons was formerly listed as Federal Prison System.

[21] In 1984 the Labor-Management Services Administration was replaced by Labor-Management Relations and Cooperative Programs.

[22] Increases in outlays and obligations reported by the Department of State during the Vol. 44 survey cycle reflect reporting of monies received through interagency agreements from the Agency for International Development. The Department of State transfers these outlays and obligations to other R&D performers.

[23] Agency for International Development (AID) became separate from the Department of State in 1979. AID includes programs of the International Development Cooperative Agency for fiscal years 1979-81.

[24] Name changed from Urban Mass Transit Administration on December 18, 1991

[25] Due to the reorganization of the Internal Revenue Service and subsequent unavailability of data, fiscal year 1992 figures are taken from estimates made in the Vol. 41 submission. Large changes in obligations reported by this agency for Vol. 44 are due to the shifts in research funding.

[26] Formerly listed as Office of Protective Research

[27] In 1989 the Federal Home Loan Bank Board was replaced by the Office of Thrift Supervision. In 1990 the Office of Thrift Supervision became part of the Department of the Treasury.

[28] As of 1985 the National Archives and Records Administration is separate from the General Services Administration.

[29] Fiscal year 1994 figures are estimates based on the Vol. 43 submission.

[30] Data reported for the US Information Agency include funds for the former International Communication Agency for fiscal years 1977-81

NOTES: Because of rounding, detail may not add to totals.

Data for only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal Funds Survey, refer to appendix A.

KEY:
- = Amount less than 50 thousand dollars
NA = Not applicable (indicates that the agency or agency subdivision did not exist as such or in that organization in that year)

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1994, 1995, and 1996

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Table C-96a. Federal obligations for research, by selected agency: fiscal years 1986-96

[Dollars in millions]

Page 1 of 5

Selected agency	1986	1987	1988	1989	1990	1991	1992	1993	1994	Estimates	
										1995	1996
Total, all agencies	16,502.2	17,940.5	18,650.1	20,765.5	21,622.4	23,968.4	24,490.6	26,890.5	27,440.4	27,803.9	28,270.9
Departments											
Dept of Agriculture, total	896.4	918.9	985.2	1,002.2	1,061.3	1,175.5	1,261.0	1,251.7	1,322.2	1,311.1	1,314.2
Agricultural Coop Svc[1]	2.6	2.7	2.7	2.8	2.7	2.8	3.4	2.9	3.7	0	0
Agricultural Marketing Svc[2]	1.3	1.2	1.3	1.3	2.2	3.7	4.1	4.1	4.2	4.1	4.1
Agricultural Rsch Svc[3,4]	436.0	454.6	479.4	492.1	512.3	550.8	583.2	574.3	624.4	629.2	627.1
Animal & Plant Health Inspection Service	4.2	4.9	5.6	7.4	0	0	0	0	0	0	0
Cooperative State Rsch, Ed & Extension Svc[5,6]	269.0	270.7	298.4	307.3	324.2	376.8	418.2	418.6	429.0	419.0	419.4
Economic Research Svc	44.6	44.8	48.1	49.5	50.5	54.4	58.9	58.9	55.2	53.5	54.7
Grain Inspection Packers & Stockyards Administration[7]	.6	.7	.6	.8	.2	.7	1.5	1.8	1.8	1.8	2.8
Foreign Agricultural Svc[8]	0	0	0	0	0	0	0	0	.8	1.4	1.4
Forest Service	109.7	122.9	131.5	127.5	153.8	170.2	175.8	177.2	189.8	194.9	198.9
Human Nutrition Info Svc[3]	12.8	6.8	8.2	8.4	9.0	9.9	10.7	8.4	7.0	NA	NA
Nat'l Agricultural Stat Svc	8.0	3.4	3.6	2.9	2.8	3.2	3.6	3.9	3.9	3.6	3.7
Office of International Cooperation & Dvlpmt[8]	6.6	5.3	4.8	2.3	3.4	3.0	1.5	1.5	NA	NA	NA
Office of Transportation[2]	.9	.9	.9	NA	NA	NA	NA	NA	NA	NA	NA
Rural Business & Coop Development Service	NA	NA	NA	NA	NA	NA	NA	NA	2.4	3.6	2.0
Department of Commerce, total	339.5	338.6	342.3	351.0	377.0	449.7	595.9	582.1	718.3	993.8	1,017.0
Bureau of the Census	2.6	2.8	3.8	3.0	4.9	4.8	3.4	3.3	2.8	3.4	3.4
Economic Development Admin	2.3	5.0	4.2	1.0	1.2	1.4	.5	0	.6	.5	1.5
National Institute of Standards & Technology	89.1	89.4	98.9	105.6	111.8	124.3	149.4	172.9	207.3	486.6	459.2
National Oceanic & Atmospheric Administration	237.5	234.4	228.2	234.6	252.4	315.6	438.7	401.7	502.7	497.3	546.4
National Telecommunications & Information Administration	7.6	7.0	7.3	6.9	6.8	3.6	4.0	4.2	4.8	6.0	6.5
Office of the Secretary	.3	[illegible]	0	0	0	0	0	0	0	0	0
Department of Defense, total	3,227.3	3,347.6	3,239.1	3,656.1	3,529.2	3,717.9	4,073.4	4,783.5	4,262.2	4,451.0	4,145.0
Department of the Army	827.3	909.9	753.7	823.4	780.2	860.5	932.7	1,018.6	852.6	894.2	683.8
Department of the Navy	784.3	786.7	747.8	783.2	807.6	874.0	892.8	996.1	847.1	917.0	882.9
Department of the Air Force	759.0	784.8	773.1	807.4	776.3	830.4	790.5	887.8	814.3	910.9	913.5
Defense agencies	856.7	866.1	964.5	1,242.1	1,165.1	1,153.0	1,457.3	1,881.0	1,748.2	1,728.9	1,664.8
Department of Education	95.8	106.9	111.0	122.0	130.3	131.7	127.0	133.6	136.8	149.2	148.0
Department of Energy[9,10]	2,040.3	2,097.9	2,235.4	2,431.7	2,570.5	3,273.6	3,412.5	3,440.2	3,282.5	3,511.4	3,557.7

See explanatory information, if any, and SOURCE at end of table.

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Table C-96a. Federal obligations for research, by selected agency: fiscal years 1986-96

[Dollars in millions]

Selected agency	1986	1987	1988	1989	1990	1991	1992	1993	1994	Estimates	
										1995	1996
Department of Health & Human Services, total	5,189.6	6,021.9	6,497.0	7,088.4	7,467.1	8,162.5	7,945.5	9,192.6	9,736.4	10,114.4	10,419.7
Administration on Aging[11]	NA	NA	NA	NA	NA	2.9	2.5	2.7	3.5	2.7	3.2
Administration for Children & Families[11]	NA	NA	NA	NA	0	13.5	34.3	18.5	10.4	10.8	10.7
Agency for Health Care Policy & Research[12]	NA	NA	NA	NA	44.2	93.0	97.8	105.6	142.0	149.6	178.0
Alcohol, Drug Abuse, & Mental Health Administration	394.9	473.3	552.4	692.6	801.2	923.0	NA	NA	NA	NA	NA
Centers for Disease Control & Prevention	52.2	66.2	88.7	117.8	95.6	113.4	146.9	162.5	206.8	216.9	217.1
Food & Drug Administration	79.4	85.0	91.0	99.0	99.0	125.0	135.7	154.5	169.4	170.4	171.8
Health Care Financing Admin	29.0	27.3	28.2	49.1	49.1	69.1	75.5	68.2	80.0	89.0	64.5
Health Resources & Services Administration	12.3	9.3	10.0	10.5	11.9	11.0	10.1	9.6	10.6	10.4	10.3
Human Development Svcs[11]	6.8	9.4	7.1	8.5	7.7	NA	NA	NA	NA	NA	NA
Nat'l Institutes of Health[13]	4,587.6	5,314.7	5,680.7	6,061.8	6,335.8	6,783.0	7,398.7	8,638.5	9,079.7	9,395.7	9,751.8
Office of the Assistant Secretary for Health[12]	15.8	18.9	19.4	25.6	5.8	9.6	6.0	0	0	.0	.0
Office of the Secretary	6.1	8.2	4.7	7.8	5.0	8.8	5.0	8.0	11.7	13.4	12.3
Social Security Admin[14]	5.6	9.8	14.7	15.8	11.8	10.2	33.0	24.5	22.2	55.4	NA
Dept of Housing & Urban Dvlpmt	5.3	5.5	6.3	6.1	6.6	9.4	8.8	8.1	13.7	15.2	15.3
Dept of the Interior, total	367.9	382.1	392.5	441.9	475.2	553.4	570.6	580.1	650.2	641.8	639.8
Bureau of Land Management	2.1	2.1	2.2	2.0	2.1	5.9	5.9	8.0	0	.0	.0
Bureau of Mines	81.6	85.2	86.2	93.2	89.9	99.0	102.9	105.0	95.4	90.2	74.0
Bureau of Reclamation	9.7	10.2	3.7	3.5	5.3	7.8	10.7	7.4	5.5	5.6	5.7
Geological Survey[15]	211.2	216.5	225.3	266.9	293.2	338.4	344.5	343.9	355.4	348.8	357.8
Minerals Management Service	1.1	1.0	1.2	2.2	1.9	2.7	3.8	5.8	20.6	20.8	22.7
National Biological Svc[16]	NA	NA	NA	NA	NA	NA	NA	0	149.0	152.2	156.3
National Park Service[16]	17.3	18.5	19.4	19.4	20.1	27.5	31.1	38.1	24.2	24.3	23.3
Office of the Secretary	1.0	0	.1	0	.0	.1	.2	.2	0	.0	.0
Office of Surface Mining Reclamation & Enforcement	2.3	1.0	1.0	.7	.7	1.0	.3	.5	0	.0	.0
US Fish & Wildlife Service[16]	41.7	47.6	53.5	53.9	62.0	71.0	71.2	71.2	NA	NA	NA

See explanatory information, if any, and SOURCE at end of table.

Table C-96a. Federal obligations for research, by selected agency: fiscal years 1986-96

[Dollars in millions]

Page 3 of 5

Selected agency	1986	1987	1988	1989	1990	1991	1992	1993	1994	Estimates	
										1995	1996
Department of Justice, total	22.3	19.8	17.4	17.5	19.9	21.1	20.3	25.6	25.9	27.5	29.4
Bureau of Prisons[17]	2.7	2.2	2.1	2.1	1.8	1.9	2.5	2.5	2.1	2.3	2.3
Drug Enforcement Admin	8	.7	6	.5	.4	.9	1	-	.1	.1	-
Immigration & Naturalization Service	2	2	.3	.1	.4	.4	.4	.4	.4	.4	.4
Office of Justice Programs	18.5	16.7	14.4	14.8	17.3	17.9	17.3	22.7	23.3	24.7	26.7
Office of Legal Policy	2	1	0	0	0	0	.0	0	0	.0	.0
Department of Labor, total	9.5	20.4	26.7	22.2	21.6	24.3	23.8	19.0	19.6	30.5	35.3
Bureau of Labor Statistics	6	6.5	7.0	7.0	7.3	7.5	7.6	6.9	7.1	13.1	13.3
Employment Standards Admin	0	1.0	.1	.1	.1	.0	0	0	0	0	.0
Employment & Training Admin	3.5	5.4	6.8	6.1	6.0	6.6	5.6	3.5	3.1	7.3	12.1
Labor-Management Relations & Cooperative Programs[18]	.2	3	.4	.3	.0	.0	NA	NA	NA	NA	NA
Occupational Safety & Health Administration	3.6	4.1	4.2	4.5	2.5	2.6	3.1	2.5	3.3	4.4	4.4
Office of the Secretary	1.3	1.8	5.2	2.5	3.3	4.7	4.1	2.9	3.1	2.9	2.6
Pension Benefit Guaranty Corporation	.1	.3	.3	.3	.3	.4	8	7	.3	.1	1
Pension & Welfare Benefit Administration	3	1.0	2.7	1.4	2.1	2.5	2.6	2.6	2.7	2.7	2.8
Department of State, total[19]	1.5	3.0	4.2	4.7	4.7	5.9	5.6	5.3	8.2	6.4	5.4
Dept of Transportation, total	68.2	68.8	91.2	120.5	119.2	114.6	156.9	226.1	273.4	367.3	313.2
Coast Guard	3.5	3.7	5.4	4.6	5.1	6.4	5.0	8.2	5.6	5.4	5.5
Federal Aviation Admin	14.0	11.1	13.3	23.6	26.1	24.0	30.1	59.8	79.5	87.0	78.0
Federal Highway Admin	14.7	20.7	43.7	56.6	57.6	46.1	73.2	91.7	134.2	208.0	0
Federal Railroad Admin	12.5	10.4	8.2	7.5	8.5	13.2	18.9	20.9	16.1	21.3	16.2
Federal Transit Admin[20]	.0	.0	.0	.0	.0	.0	0	10.9	7.8	11.2	.0
Infrastructure Investment[21]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	182.3
Maritime Administration[22]	6.8	3.3	.5	.0	.9	1.7	1.8	1.7	1.7	2.7	5.0
National Highway Traffic Safety Administration	16.1	18.9	19.1	26.2	16.9	21.4	25.8	31.6	25.3	25.9	20.2
Office of the Secretary	.4	.4	.7	1.3	1.7	.6	.7	.6	.6	.6	6
Research & Special Programs Administration	.3	.2	.4	.7	2.4	1.4	1.4	.5	2.6	5.2	5.4

See explanatory information, if any, and SOURCE at end of table.

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Table C-96a. Federal obligations for research, by selected agency: fiscal years 1986-96

[Dollars in millions]

Page 4 of 5

Selected agency	1986	1987	1988	1989	1990	1991	1992	1993	1994	Estimates	
										1995	1996
Dept of the Treasury, total	17.7	17.4	15.9	16.3	18.7	24.1	20.8	11.1	9.2	36.7	37.8
Bureau of Engraving & Printing	3.1	2.8	1.2	1.4	1.4	2.7	1.8	3.2	1.6	1.3	2.2
Internal Revenue Svc[23]	14.0	14.1	13.7	14.1	16.5	17.5	17.5	6.5	6.1	33.7	33.7
Off of Thrift Supervision[24]	NA	NA	NA	NA	0	3.0	.8	.7	.5	.6	.7
United States Customs Svc	.2	.2	.7	.4	.4	.5	.2	.1	.5	.6	.7
United States Secret Svc[25]	.4	.2	.4	.4	.5	.4	.5	.6	.5	.6	.6
Department of Veterans Affairs	169.9	190.3	196.1	213.7	215.6	193.8	200.9	207.4	223.5	233.9	231.5
Other agencies:											
Advisory Commission on Intergovernmental Relations	2.1	1.9	1.8	1.1	1.5	1.7	1.7	2.1	1.4	1.3	1.5
Agcy for Internat'l Dvlpmt[26]	184.9	154.0	135.1	219.1	305.2	357.4	300.1	359.2	216.2	231.5	192.0
Appalachian Regional Commission	.2	.1	.2	.8	.4	.7	1.9	.9	.9	.9	.9
Consumer Product Safety Comm	1.1	.6	.1	.5	.4	.9	.8	.8	.1	0	0
Environmental Protection Agency	217.8	277.2	267.9	273.3	315.2	353.1	404.3	361.5	402.3	413.0	491.3
Federal Communications Comm	.9	1.0	1.2	1.1	1.3	1.4	1.6	1.6	1.7	2.1	1.8
Fed Home Loan Bank Board[24]	3.3	3.4	3.4	NA	NA	NA	NA	NA	NA	NA	NA
Federal Trade Commission	1.8	.5	.4	.4	.5	1.0	1.3	.9	.7	.9	1.0
General Services Admin[27]	.9	1.6	2.3	.5	.7	0	0	0	0	0	0
Library of Congress	1.6	1.5	1.6	1.6	1.5	1.7	1.8	1.8	1.9	1.9	1.9
National Aeronautics & Space Administration	2,069.0	2,269.2	2,331.6	2,878.8	3,060.7	3,371.2	3,229.3	3,548.7	3,840.6	2,867.6	3,076.5
National Archives & Records Administration[27]	0	.7	.5	.2	.3	.6	.6	.3	.3	.1	.1
National Science Foundation	1,353.3	1,470.5	1,532.8	1,670.4	1,689.5	1,785.2	1,868.4	1,881.9	2,040.4	2,145.4	2,303.1
Nuclear Regulatory Commission	123.8	122.5	108.5	114.8	108.8	108.8	119.0	119.8	90.7	86.0	81.8
Office of Thrift Supervision[24]	NA	NA	NA	4.1	4.1	NA	NA	NA	NA	NA	NA
Smithsonian Institution	63.3	71.5	75.1	80.2	84.0	98.0	98.0	102.0	124.2	125.2	129.2
Social Security Admin[14]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	37.2
Tennessee Valley Authority	17.8	17.7	18.5	14.6	21.7	18.8	24.4	27.9	25.9	26.4	31.1

See explanatory information, if any, and SOURCE at end of table.

Table C-96a. Federal obligations for research, by selected agency: fiscal years 1986-96

[Dollars in millions]

Page 5 of 5

Selected agency	1986	1987	1988	1989	1990	1991	1992	1993	1994	Estimates	
										1995	1996
United States Arms Control & Disarmament Agency[28]	0.9	0.4	0.8	1.2	0.2	0.4	2.1	1.5	1.3	1.1	1.1
US Information Agency[29]	1.6	0	1	0	5	1	0	1.1	6	3	3
US Internat'l Trade Commission	6.9	7.2	8.1	8.7	9.1	9.9	12.3	12.2	9.4	10.2	10.8

[1] Includes programs of the Farmer Cooperative Service for fiscal years 1970-76.

[2] Fiscal year 1979 was the first year in which Congress appropriated funds to the Agricultural Marketing Service. Data reported for the Agricultural Marketing Service include funds for the Office of Transportation beginning in 1989.

[3] The Human Nutrition Information Service merged with the Agricultural Research Service on February 20, 1994.

[4] Includes the former Agriculture Research Service of the Science and Education Administration for fiscal years 1978-80.

[5] Includes former Cooperative State Research Service of the Science and Education Administration for fiscal years 1978-80.

[6] The Cooperative State Research Service merged with the Extension Service on October 19, 1994, due to a reorganization within the Department of Agriculture.

[7] Name changed from Federal Grain Inspection Service on October 20, 1994.

[8] The Office of International Cooperation and Development became part of the Foreign Agricultural Service (FAS) in June of 1994. Data reported for FAS include funds appropriated to International Cooperation and Development programs within FAS as of fiscal year 1994.

[9] In fiscal year 1982 the Bonneville Power Administration became part of the Department of Energy.

[10] In 1977 the Energy Research and Development Administration became part of the Department of Energy.

[11] In fiscal year 1991 Human Development Services was replaced by the Administration for Children and Families and by the Administration on Aging. Beginning in fiscal year 1992, data shown for the Administration for Children and Families are separate from obligations for the Administration on Aging. Obligations reported for the Administration for Children and Families may be incomplete for fiscal year 1992 due to unavailability of data.

[12] In fiscal year 1991 the Agency for Health Care Policy and Research became separate from the Office of the Assistant Secretary for Health.

[13] Fiscal year 1992 figures include obligations from the Alcohol, Drug Abuse, and Mental Health Administration. Due to reorganization within the Department of Health and Human Services, the Alcohol, Drug Abuse, and Mental Health Administration ceased to exist as of October 1992, and its research and development functions are reported with the National Institutes of Health data beginning with Vol. 42.

[14] As of March 31, 1995, the Social Security Administration became an independent agency; it is no longer part of the Department of Health & Human Services.

[15] As of 1985 the Office of Water Research and Technology has been combined with the Geological Survey.

[16] The National Biological Service's name changed from the National Biological Survey on January 5, 1995. As of fiscal year 1994, the National Biological Service performs all biological research activities formerly funded by the US Fish & Wildlife Service and the National Park Service.

[17] The Bureau of Prisons was formerly listed as Federal Prison System.

[18] In 1984 the Labor-Management Services Administration was replaced by Labor-Management Relations and Cooperative Programs.

[19] Increases in outlays and obligations reported by the Department of State during the Vol. 44 survey cycle reflect reporting of monies received through interagency agreements from the Agency for International Development. The Department of State transfers these outlays and obligations to other R&D performers.

[20] Name changed from Urban Mass Transit Administration on December 18, 1991.

[21] Monies estimated for fiscal year 1996 by Infrastructure Investment represent a proposed consolidation of several agencies within the Department of Transportation.

[22] In 1981 the Maritime Administration moved from the Department of Commerce to the Department of Transportation.

[23] Due to the reorganization of the Internal Revenue Service and subsequent unavailability of data, fiscal year 1992 figures are taken from estimates made in the Vol. 41 submission. Large changes in obligations reported by this agency for Vol. 44 are due to the shifts in research funding.

[24] In 1989 the Federal Home Loan Bank Board was replaced by the Office of Thrift Supervision. In 1990 the Office of Thrift Supervision became part of the Department of the Treasury.

[25] Formerly listed as Office of Protective Research.

[26] Agency for International Development (AID) became separate from the Department of State in 1979. AID includes programs of the International Development Cooperative Agency for fiscal years 1979-81.

[27] As of 1985 the National Archives and Records Administration is separate from the General Services Administration.

[28] Fiscal year 1994 figures are estimates based on the Vol. 43 submission.

[29] Data reported for the US Information Agency include funds for the former International Communication Agency for fiscal years 1977-81.

NOTES: Because of rounding, detail may not add to totals.

Data for only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal Funds Survey, refer to appendix A.

KEY:
- = Amount less than 50 thousand dollars
NA = Not applicable (indicates that the agency or agency subdivision did not exist as such or in that organization in that year)

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1994, 1995, and 1996.

Table C-97. Federal obligations for basic research, by selected agency: fiscal years 1975-85

[Dollars in millions]

Page 1 of 3

Selected agency	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985
Total, all agencies	2,588.4	2,767.5	3,258.6	3,698.6	4,192.7	4,674.2	5,041.3	5,481.6	6,260.1	7,067.4	7,818.7
Departments											
Dept of Agriculture, total	154.2	171.4	204.5	242.7	256.4	275.7	314.1	330.8	362.0	392.6	445.4
Agricultural Rsch Svc[1] [2]	91.2	101.7	125.6	142.4	148.2	157.8	186.4	192.9	215.3	240.6	250.2
Cooperative State Rsch, Ed & Extension Svc[3] [4]	38.4	43.1	48.4	65.6	70.5	75.2	83.9	91.3	98.8	99.6	141.5
Economics, Stat & Coop Svc[5]	NA	NA	3.8	3.9	6.4	NA	NA	NA	NA	NA	NA
Economic Research Svc	3.2	3.6	NA	NA	NA	NA	3.6	3.9	3.9	4.4	4.6
Economics & Statistics Svc[6]	NA	NA	NA	NA	NA	6.6	NA	NA	NA	NA	NA
Forest Service	21.1	22.6	26.7	30.8	31.4	33.7	38.1	38.7	38.8	41.2	44.1
Nat'l Agricultural Stat Svc	.3	.4	NA	NA	NA	NA	0	2.3	2.5	2.7	2.8
Office of International Cooperation & Dvlpmt[7]	NA	NA	NA	NA	0	2.3	1.7	1.1	2.3	3.6	1.5
Office of Transportation[8]	NA	NA	NA	NA	0	0	.5	.5	.5	.6	.6
Department of Commerce, total	8.1	11.0	12.3	11.8	11.9	15.9	16.2	16.9	19.2	20.6	23.2
Bureau of the Census	.2	.2	.2	.5	.6	.5	.4	.3	.3	.4	.4
Economic Development Admin	0	1.7	1.0	2.7	.5	.3	.2	0	.5	0	0
Maritime Administration[9]	1.7	1.2	1.2	2.7	2.0	2.0	NA	NA	NA	NA	NA
Minority Business Dvlpmt Agcy	0	0	.2	0	0	0	0	0	0	0	0
National Fire Prevention & Control Administration	.7	2.1	2.7	NA	NA	NA	NA	NA	NA	NA	NA
National Institute of Standards & Technology	5.4	5.8	6.9	5.9	8.8	12.8	15.6	16.5	18.4	20.2	22.1
National Telecommunications & Information Administration	NA	NA	.1	0	0	0	0	0	0	0	0
Office of Telecommunications	.1	.1	NA	NA	NA	NA	NA	NA	NA	NA	NA
Office of the Secretary	0	0	0	0	0	.3	0			0	.8
Department of Defense, total	300.1	326.9	373.3	410.4	471.5	540.3	604.3	686.7	785.6	847.9	861.4
Department of the Army	71.7	81.4	99.0	104.1	115.0	132.2	148.1	187.7	208.3	222.1	240.8
Department of the Navy	118.7	129.7	153.8	172.1	192.1	214.9	238.0	280.3	305.4	315.8	343.1
Department of the Air Force	78.9	83.9	84.8	95.1	105.0	108.2	125.8	145.8	164.2	192.4	198.3
Defense agencies	30.7	31.9	35.6	39.1	59.3	85.1	92.4	72.9	107.7	117.6	79.2
Department of Education	NA	NA	NA	NA	20.6	17.6	20.6	14.2	14.2	12.2	14.6
Department of Energy[10] [11]	NA	NA	389.5	440.5	463.0	523.1	586.3	642.2	767.7	830.4	942.6
Department of Health, Education, & Welfare, total	903.7	986.2	1,119.5	1,292.3	NA	NA	NA	NA	NA	NA	NA
Alcohol, Drug Abuse, & Mental Health Administration	66.2	52.6	62.7	79.9	NA	NA	NA	NA	NA	NA	NA
Health Resources Admin	0	3.1	0	0	NA	NA	NA	NA	NA	NA	NA
Health Services Admin	1.2	.3	2.0	.6	NA	NA	NA	NA	NA	NA	NA
Nat'l Institute of Education	1.9	5.1	11.9	18.3	NA	NA	NA	NA	NA	NA	NA
Nat'l Institutes of Health	828.5	920.3	1,032.8	1,161.1	NA	NA	NA	NA	NA	NA	NA
Office of the Assistant Secretary for Health	0	0	4.0	5.1	NA	NA	NA	NA	NA	NA	NA
Off of Human Dvlpmnt Svcs	0	0	2.2	2.2	NA	NA	NA	NA	NA	NA	NA
Office of the Secretary	4.1	4.9	4.0	5.1	NA	NA	NA	NA	NA	NA	NA
Social Security Admin	1.8	0	0	0	NA	NA	NA	NA	NA	NA	NA

See explanatory information, if any, and SOURCE at end of table.

Table C-97. Federal obligations for basic research, by selected agency: fiscal years 1975-85

[Dollars in millions]

Page 2 of 3

Selected agency	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985
Department of Health & Human Services, total	NA	NA	NA	NA	1,576.0	1,762.7	1,900.4	2,144.7	2,475.4	2,814.5	3,232.5
Alcohol, Drug Abuse, & Mental Health Administration	NA	NA	NA	NA	94.6	104.7	116.3	117.3	145.0	170.8	196.8
Health Resources & Services Administration	NA	NA	NA	NA	NA	NA	NA	.5	.8	.8	.9
Health Svcs Administration	NA	NA	NA	NA	2.0	2.0	3.8	NA	NA	NA	NA
Human Development Svcs[12]	NA	NA	NA	NA	0	0	.4	.4	0	0	0
Nat'l Institutes of Health[13]	NA	NA	NA	NA	1,463.7	1,642.3	1,766.8	2,020.7	2,313.0	2,624.8	3,018.0
Office of the Assistant Secretary for Health[14]	NA	NA	NA	NA	13.6	11.6	12.4	5.7	16.6	18.1	16.9
Office of the Secretary	NA	NA	NA	NA	2.1	2.0	.6	0	0	0	0
Dept of the Interior, total	54.9	54.3	63.6	65.9	72.5	71.6	80.7	76.5	103.0	125.9	138.3
Bonneville Power Admin[11]	0	0	0	0	0	0	.4	NA	NA	NA	NA
Bureau of Mines	1.9	.8	4.0	8.6	13.7	11.5	13.6	15.9	23.5	40.5	49.9
Bureau of Reclamation		.1	.1	.2	.1	.2	.1	.1	.1	.1	.3
Geological Survey[13]	38.6	39.5	40.3	46.3	49.0	47.3	53.5	52.6	64.7	78.9	80.5
National Park Service[14]	.6	.6	0	0	0	0	0	0	0	0	0
Office of the Secretary	0	1.0	3.2	1.7	1.4	2.2	1.5	.5	7.4	.1	1.9
Off of Water Rsch & Tech[13]	3.9	3.6	2.9	4.6	4.6	6.6	7.6	3.3	.5	.4	0
US Fish & Wildlife Service[13]	9.9	8.8	13.1	4.5	3.7	3.8	3.9	4.1	6.9	5.9	5.7
Department of Justice, total	9.5	4.5	5.1	14.7	7.9	9.5	4.6	3.1	3.6	4.7	4.2
Office of Justice Programs	9.5	4.5	5.1	14.7	7.9	9.5	4.6	3.1	3.6	4.7	4.2
Department of Labor, total	.9	1.0	.7	3.7	2.3	3.9	3.7	6.5	5.3	5.0	3.3
Employment & Training Admin	.5	.6	.6	3.5	1.8	3.9	3.7	6.5	5.3	5.0	3.3
Labor Management Services Administration[17]	.3	.3	.1	.2	.5	0	0	0	0	0	0
Department of State, total[18]	1.5	0	0	0		0	0	0	0	0	0
Agcy for Internat'l Dvlpmt[19]	1.5	0	0	0	NA	NA	NA	NA	NA	NA	NA
Departmental funds	0	0	0	0		0	0	0	0	0	0
Dept of Transportation, total	.1	0	0	0	0	0	1.2	1.0	.9	3.5	1.1
Coast Guard	.1	0	0	0	0	0	.3	0	.4	0	0
Maritime Administration[8]	NA	NA	NA	NA	NA	NA	.7	1.0	.5	3.5	1.1
Research & Special Programs Administration	NA	NA	0	0	0	0	.3	0	0	0	0
Dept of the Treasury, total	0	0	0	0	.2	1.7	2.3	2.2	3.5	4.0	4.8
Bureau of Engraving & Printing	0	0	0	0	0	0	0	0	.6	.8	.3
Internal Revenue Svc[20]	0	0	0	0	.2	1.7	2.3	2.2	2.9	3.2	4.4
Department of Veterans Affairs	3.9	8.9	9.1	6.9	9.5	14.3	15.0	12.9	14.1	15.8	15.4
Other agencies											
Action	.1		.1	0	0	0	0	0	0	0	0
Agcy for Internat'l Dvlpmt[19]	NA	NA	NA	NA	0	0	0	0	4.1	3.0	1.7
Civil Service Commission	.6	.3	.4	NA	NA	NA	NA	NA	NA	NA	NA
Consumer Product Safety Comm	0	0	0	0	0	0	.1	0	0	0	0
Energy Rsch & Dvlpmt Admin[11]	312.8	345.8	NA	NA	NA	NA	NA	NA	NA	NA	NA
Environmental Protection Agency	17.4	13.7	8.3	6.0	10.1	13.6	10.5	32.7	22.2	29.6	38.6
Federal Emergency Management Agency	NA	NA	NA	NA	3.0	2.6	2.6	1.4	0	0	0
Federal Trade Commission	0	.3	.4	.5	.4	1.5	.9	1.0	1.2	1.3	1.5
General Services Admin[21]	.3	.1	.1	1.8		0	0	0	0	.1	.1
Library of Congress	0	.2	.1	.1	.1	.1	.2	.1	.3	.6	.6

See explanatory information, if any, and SOURCE at end of table

Table C-97. Federal obligations for basic research, by selected agency: fiscal years 1975-85

[Dollars in millions]

Page 3 of 3

Selected agency	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985
National Aeronautics & Space Administration	309.3	293.2	413.8	479.7	512.8	559.1	531.1	535.7	617.0	754.5	750.9
National Archives & Records Administration[21]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1
National Science Foundation	486.0	523.6	624.9	678.0	733.3	815.2	896.6	916.1	999.1	1 132.3	1 261.8
Office of Telecomm Policy	4	4	NA	NA	NA	NA	NA	NA	NA	NA	NA
Smithsonian Institution	24.8	25.7	29.7	34.9	36.9	41.0	44.9	52.4	56.0	63.6	71.1
Tennessee Valley Authority	0	0	3.5	3.8	4.1	4.6	4.8	4.6	5.6	5.1	5.5
US Information Agency[22]	0	0	0	0	0	0	1	0	0	0	0

[1] The Human Nutrition Information Service merged with the Agricultural Research Service on February 20, 1994.

[2] Includes the former Agriculture Research Service of the Science and Education Administration for fiscal years 1978-80.

[3] Includes former Cooperative State Research Service of the Science and Education Administration for fiscal years 1978-80.

[4] The Cooperative State Research Service merged with the Extension Service on October 19, 1994, due to a reorganization within the Department of Agriculture.

[5] Includes programs of the Economic Research Service, the Statistical Reporting Service, and the Farmer Cooperative Service for fiscal years 1977-79.

[6] Includes programs of the Economic Research Service and the Statistical Reporting Service for fiscal year 1980.

[7] The Office of International Cooperation and Development became part of the Foreign Agricultural Service (FAS) in June of 1994. Data reported for FAS include funds appropriated to International Cooperation and Development programs within FAS as of fiscal year 1994.

[8] Fiscal year 1979 was the first year in which Congress appropriated funds to the Agricultural Marketing Service. Data reported for the Agricultural Marketing Service include funds for the Office of Transportation beginning in 1989.

[9] In 1981 the Maritime Administration moved from the Department of Commerce to the Department of Transportation.

[10] In fiscal year 1982 the Bonneville Power Administration became part of the Department of Energy.

[11] In 1977 the Energy Research and Development Administration became part of the Department of Energy.

[12] In fiscal year 1991 Human Development Services was replaced by the Administration for Children and Families and by the Administration on Aging. Beginning in fiscal year 1992, data shown for the Administration for Children and Families are separate from obligations for the Administration on Aging. Obligations reported for the Administration for Children and Families may be incomplete for fiscal year 1992 due to unavailability of data.

[13] Fiscal year 1992 figures include obligations from the Alcohol, Drug Abuse, and Mental Health Administration. Due to reorganization within the Department of Health and Human Services, the Alcohol, Drug Abuse, and Mental Health Administration ceased to exist as of October 1992, and its research and development functions are reported with the National Institutes of Health data beginning with Vol. 42.

[14] In fiscal year 1991 the Agency for Health Care Policy and Research became separate from the Office of the Assistant Secretary for Health.

[15] As of 1985 the Office of Water Research and Technology has been combined with the Geological Survey.

[16] The National Biological Service's name changed from the National Biological Survey on January 5, 1995. As of fiscal year 1994, the National Biological Service performs all biological research activities formerly funded by the US Fish & Wildlife Service and the National Park Service.

[17] In 1984 the Labor Management Services Administration was replaced by Labor Management Relations and Cooperative Programs.

[18] Increases in outlays and obligations reported by the Department of State during the Vol. 44 survey cycle reflect reporting of monies received through interagency agreements from the Agency for International Development. The Department of State transfers these outlays and obligations to other R&D performers.

[19] Agency for International Development (AID) became separate from the Department of State in 1979. AID includes programs of the International Development Cooperative Agency for fiscal years 1979-81.

[20] Due to the reorganization of the Internal Revenue Service and subsequent unavailability of data, fiscal year 1992 figures are taken from estimates made in the Vol. 41 submission. Large changes in obligations reported by this agency for Vol. 44 are due to the shifts in research funding.

[21] As of 1985 the National Archives and Records Administration is separate from the General Services Administration.

[22] Data reported for the US Information Agency include funds for the former International Communication Agency for fiscal years 1977-81.

NOTES: Because of rounding, detail may not add to totals.

Data for only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal Funds Survey, refer to appendix A.

KEY:
— = Amount less than 50 thousand dollars
NA = Not applicable (indicates that the agency or agency subdivision did not exist as such or in that organization in that year)

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1994, 1995, and 1996.

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Table C-97a. Federal obligations for basic research, by selected agency: fiscal years 1986-96

[Dollars in millions]

Page 1 of 3

Selected agency	1986	1987	1988	1989	1990	1991	1992	1993	1994	Estimates	
										1995	1996
Total, all agencies	8,153.1	8,942.4	9,473.6	10,602.0	11,285.6	12,170.8	12,489.9	13,399.1	13,552.9	13,569.1	14,037.4
Departments											
Dept of Agriculture, total	432.9	445.5	480.6	484.9	519.2	557.6	595.2	615.9	606.3	603.1	615.3
Agricultural Marketing Svc[1]	0	0	0	0	.5	0	0	0	0	0	0
Agricultural Rsch Svc[4, 7]	247.7	253.4	271.1	282.7	294.0	309.7	326.1	341.0	366.5	369.3	368.1
Cooperative State Rsch, Ed & Extension Svc[4, 7]	131.7	132.8	145.8	142.6	153.7	170.4	189.6	192.5	194.7	191.9	204.3
Economic Research Svc	4.5	6.3	6.7	6.9	7.1	7.6	8.2	10.6	9.9	5.4	5.5
Foreign Agricultural Svc[1]	0	0	0	0	0	0	0	0	.6	1.1	1.1
Forest Service	40.2	49.4	51.6	50.0	60.3	66.6	68.9	69.4	33.3	34.3	35.2
Nat'l Agricultural Stat Svc	2.6	1.1	1.2	1.0	.9	1.1	1.2	1.3	1.3	1.2	1.2
Office of International Cooperation & Dvlpmt[1]	3.7	1.9	3.6	1.7	2.6	2.2	1.2	1.2	NA	NA	NA
Office of Transportation[1]	.5	.5	.5	NA	NA	NA	NA	NA	NA	NA	NA
Department of Commerce, total	28.5	25.8	30.9	29.1	31.4	34.3	34.5	37.2	40.1	45.4	48.6
Bureau of the Census	.5	.7	1.3	1.2	2.8	2.4	.9	.4	.3	.4	.4
National Institute of Standards & Technology	25.7	25.1	26.3	27.9	28.6	31.9	33.6	36.5	39.8	45.1	48.3
National Oceanic & Atmospheric Administration	0	0	3.2	0	0	0	0	.3	0	0	0
Office of the Secretary	.3	0	0	0	0	0	0	0	0	0	0
Department of Defense, total	923.9	907.6	876.9	947.9	947.6	994.2	1,098.9	1,268.2	1,222.3	1,282.0	1,196.1
Department of the Army	248.5	217.0	165.7	187.2	185.1	188.6	204.9	215.7	213.3	230.0	211.3
Department of the Navy	337.3	354.3	341.8	354.0	365.0	388.0	393.8	422.0	400.1	415.1	402.6
Department of the Air Force	216.5	221.6	196.4	202.8	197.0	209.2	205.8	218.7	242.4	228.1	239.9
Defense agencies	121.7	114.8	173.0	203.9	200.5	208.3	294.4	411.8	366.5	408.8	342.3
Department of Education	4.5	3.1	4.4	4.4	4.9	8.6	7.5	5.3	5.5	5.8	5.4
Department of Energy[1, 8]	959.7	1,068.5	1,184.8	1,410.9	1,504.8	1,686.5	1,736.4	1,754.8	1,603.2	1,693.8	1,785.9

See explanatory information, if any, and SOURCE at end of table

Table C-97a. Federal obligations for basic research, by selected agency: fiscal years 1986-96

[Dollars in millions]

Page 2 of 3

Selected agency	1986	1987	1988	1989	1990	1991	1992	1993	1994	Estimates	
										1995	1996
Department of Health & Human Services, total	3,338.8	3,827.9	4,081.4	4,388.0	4,649.0	5,050.1	5,058.7	5,696.7	5,884.0	6,085.2	6,309.3
Agency for Health Care Policy & Research[9]	NA	NA	NA	NA	NA	0	0	0	8	8	7
Alcohol, Drug Abuse, & Mental Health Administration	203.4	232.2	265.8	308.0	386.2	459.1	NA	NA	NA	NA	NA
Health Resources & Services Administration	1.0	1.3	1.1	1.2	1.2	1.5	1.3	1.1	8	7	7
Nat'l Institutes of Health[10]	3,118.6	3,575.5	3,795.1	4,053.3	4,261.7	4,589.5	5,057.4	5,695.6	5,882.4	6,083.7	6,308.0
Office of the Assistant Secretary for Health[9]	15.8	18.9	19.4	25.6	0	0	0	0	0	0	0
Dept of the Interior, total	133.0	134.9	126.5	188.9	205.4	229.3	230.9	230.3	83.2	79.2	76.0
Bureau of Land Management	0	0	0	0	0	1.1	6	6	0	0	0
Bureau of Mines	44.9	45.6	32.1	43.9	40.6	42.8	43.7	44.6	25.4	23.3	18.8
Bureau of Reclamation	1	1	1	-	1	1	0	0	0	0	0
Geological Survey[11]	83.4	84.9	89.5	140.2	159.1	179.1	180.1	178.0	43.5	41.6	42.8
National Biological Svc[12]	NA	NA	NA	NA	NA	NA	NA	0	13.7	13.7	13.8
National Park Service[12]	0	0	0	0	0	0	0	6	7	7	6
Office of the Secretary	1.0	0	0	0	0	0	0	0	0	0	0
US Fish & Wildlife Service[12]	3.6	4.3	4.8	4.8	5.6	6.2	6.4	6.4	NA	NA	NA
Department of Justice, total	5.3	8.1	7.6	6.8	8.8	6.4	5.3	5.0	5.9	5.7	6.0
Office of Justice Programs	5.3	8.1	7.6	6.8	8.8	6.4	5.3	5.0	5.9	5.7	6.0
Department of Labor, total	9	1.4	4	3	3	3	2	5.6	5.8	11.8	11.7
Bureau of Labor Statistics	0	0	0	0	0	0	0	5.4	5.6	11.6	11.5
Employment & Training Admin	9	1.4	4	3	3	3	2	2	2	2	2
Pension Benefit Guaranty Corporation	0	0	0	0	0	0		0	0	0	0
Department of State, total[13]	0	2.6	3.1	3.4	3.5	4.6	4.9	4.8	7.8	6.0	5.0
Dept of Transportation, total	6	2	0	0	0	0	1.2	1.7	3.0	3.5	1.9
Federal Highway Admin	0	0	0	0	0	0	1.2	1.7	3.0	3.5	0
Infrastructure Investment[14]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.9
Maritime Administration[15]	6	2	0	0	0	0	0	0	0	0	0
Dept of the Treasury, total	5.1	4.7	4.8	3.4	3.4	3.6	3.6	6.5			
Bureau of Engraving & Printing	4	1	1	5	0	0	0	0			
Internal Revenue Svc[16]	4.5	4.4	4.7	2.9	3.4	3.6	3.6	6.5	0	0	0
United States Secret Svc[17]	2	2	1	0	0	0	0	0	0	0	0
Department of Veterans Affairs	14.8	17.2	17.3	16.6	16.2	16.1	15.7	13.3	14.4	13.5	13.0
Other agencies											
Agcy for Internat'l Dvlpmt[18]	4.3	2.8	3.0	3.1	5.0	5.7	5.8	8.4	1.8	7	1.3
Environmental Protection Agency	38.5	31.1	27.2	50.7	73.6	91.2	110.4	89.1	101.4	102.2	119.7
Federal Trade Commission	1.6	0	0	0	0	0	0	0	0	0	0
Library of Congress	4	4	4	4	3	4	4	3	4	4	4

See explanatory information, if any, and SOURCE at end of table

Table C-97a. Federal obligations for basic research, by selected agency: fiscal years 1986-96

[Dollars in millions]

Page 3 of 3

Selected agency	1986	1987	1988	1989	1990	1991	1992	1993	1994	Estimates	
										1995	1996
National Aeronautics & Space Administration	916.7	1,013.7	1,112.7	1,417.4	1,636.9	1,705.6	1,738.2	1,800.1	1,963.9	1,536.1	1,593.0
National Archives & Records Administration[19]	0	5	2	1	2	4	5	2	2	0	0
National Science Foundation	1,275.2	1,371.2	1,433.2	1,562.6	1,586.3	1,676.2	1,741.5	1,743.8	1,870.7	1,960.4	2,107.6
Smithsonian Institution	63.3	71.5	75.1	80.2	84.0	98.0	98.0	102.0	124.2	125.2	129.2
Tennessee Valley Authority	7.3	3.9	3.2	2.9	4.7	1.9	2.1	9.9	8.9	9.0	11.8

[1] Fiscal year 1979 was the first year in which Congress appropriated funds to the Agricultural Marketing Service. Data reported for the Agricultural Marketing Service include funds for the Office of Transportation beginning in 1989.

[2] The Human Nutrition Information Service merged with the Agricultural Research Service on February 20, 1994.

[3] Includes the former Agriculture Research Service of the Science and Education Administration for fiscal years 1978-80.

[4] Includes former Cooperative State Research Service of the Science and Education Administration for fiscal years 1978-80.

[5] The Cooperative State Research Service merged with the Extension Service on October 19, 1994, due to a reorganization within the Department of Agriculture.

[6] The Office of International Cooperation and Development became part of the Foreign Agricultural Service (FAS) in June of 1994. Data reported for FAS include funds appropriated to International Cooperation and Development programs within FAS as of fiscal year 1994.

[7] In fiscal year 1982 the Bonneville Power Administration became part of the Department of Energy.

[8] In 1977 the Energy Research and Development Administration became part of the Department of Energy.

[9] In fiscal year 1991 the Agency for Health Care Policy and Research became separate from the Office of the Assistant Secretary for Health.

[10] Fiscal year 1992 figures include obligations from the Alcohol, Drug Abuse, and Mental Health Administration. Due to reorganization within the Department of Health and Human Services, the Alcohol, Drug Abuse, and Mental Health Administration ceased to exist as of October 1992, and its research and development functions are reported with the National Institutes of Health data beginning with Vol. 42.

[11] As of 1985 the Office of Water Research and Technology has been combined with the Geological Survey.

[12] The National Biological Service's name changed from the National Biological Survey on January 5, 1995. As of fiscal year 1994, the National Biological Service performs all biological research activities formerly funded by the US Fish & Wildlife Service and the National Park Service.

[13] Increases in outlays and obligations reported by the Department of State during the Vol. 44 survey cycle reflect reporting of monies received through interagency agreements from the Agency for International Development. The Department of State transfers these outlays and obligations to other R&D performers.

[14] Monies estimated for fiscal year 1996 by Infrastructure Investment represent a proposed consolidation of several agencies within the Department of Transportation.

[15] In 1981 the Maritime Administration moved from the Department of Commerce to the Department of Transportation.

[16] Due to the reorganization of the Internal Revenue Service and subsequent unavailability of data, fiscal year 1992 figures are taken from estimates made in the Vol. 41 submission. Large changes in obligations reported by this agency for Vol. 44 are due to the shifts in research funding.

[17] Formerly listed as Office of Protective Research.

[18] Agency for International Development (AID) became separate from the Department of State in 1979. AID includes programs of the International Development Cooperative Agency for fiscal years 1979-81.

[19] As of 1985 the National Archives and Records Administration is separate from the General Services Administration.

NOTES: Because of rounding, detail may not add to totals.

Data for only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal Funds Survey, refer to appendix A.

KEY: - = Amount less than 50 thousand dollars
NA = Not applicable (indicates that the agency or agency subdivision did not exist as such or in that organization in that year)

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1994, 1995, and 1996

Table C-98. Federal obligations for applied research, by selected agency: fiscal years 1975-85

[Dollars in millions]

Page 1 of 5

Selected agency	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985
Total, all agencies	4,141.3	4,851.9	5,255.5	5,908.2	6,342.3	6,923.2	7,171.5	7,540.6	7,993.4	7,911.4	8,314.7
Departments											
Dept of Agriculture, total	247.8	270.9	319.6	351.8	375.5	381.8	426.9	435.7	455.5	442.2	465.6
Agricultural Coop Svc[1]	1.2	1.2	0	0	0	1.6	1.7	1.7	2.1	2.2	2.9
Agricultural Marketing Svc[2]	NA	NA	NA	NA	4	1.0	9	1.0	1.1	1.2	1.3
Agricultural Rsch Svc[3, 4]	112.9	125.9	155.4	161.3	172.7	170.8	181.5	186.2	202.6	183.7	191.8
Cooperative State Rsch, Ed & Extension Svc[5, 6]	62.7	70.3	78.9	91.9	102.1	109.0	115.5	127.7	133.5	136.2	142.8
Economics, Stat & Coop Svc[7]	NA	NA	25.9	28.8	29.1	NA	NA	NA	NA	NA	NA
Economic Research Svc	18.1	20.4	NA	NA	NA	NA	35.8	35.3	34.9	39.3	41.7
Economics & Statistics Svc[8]	NA	NA	NA	NA	NA	24.5	NA	NA	NA	NA	NA
Grain Inspection Packers & Stockyards Administration[9]	NA	0	0	0	0	0	0	0	0	0	8
Forest Service	52.2	51.9	59.4	69.8	71.1	72.3	81.8	69.0	65.1	63.9	65.7
Human Nutrition Info Svc[3]	NA	NA	NA	NA	NA	NA	0	8.5	8.2	6.0	6.7
Nat'l Agricultural Library			NA	NA	NA	NA	NA	NA	NA	NA	NA
Nat'l Agricultural Stat Svc	7	1.1	NA	NA	NA	NA	7.5	4.7	5.1	5.5	5.6
Office of International Cooperation & Dvlpmt[10]	NA	NA	NA	NA	0	2.6	1.9	1.2	2.5	3.9	5.8
Office of Transportation[2]	NA	NA	NA	NA	0	0	3	3	3	3	5
Department of Commerce, total	136.3	144.7	163.8	181.0	207.6	238.5	233.2	259.2	265.6	276.1	301.0
Bureau of the Census	4	2.0	1.8	1.8	1.2	1.4	2.6	1.6	1.9	2.0	2.1
Economic Development Admin	1.1	4	1.5	3.2	8.0	2.2	1.6	1.6	4.8	5.1	2.0
Maritime Administration[11]	4.0	3.8	2.5	4.3	10.2	10.1	NA	NA	NA	NA	NA
Minority Business Dvlpmt Agcy	9	4	5	0	0	0	0	0	0	0	0
National Fire Prevention & Control Administration		1.1	1.8	NA	NA	NA	NA	NA	NA	NA	NA
National Institute of Standards & Technology	29.4	31.7	38.0	42.6	43.0	46.1	50.6	57.4	63.1	63.5	64.5
National Oceanic & Atmospheric Administration	99.7	104.9	115.8	127.9	142.7	168.8	168.5	188.5	188.9	197.7	224.4
National Telecommunications & Information Administration	NA	NA	1.9	1.1	2.4	9.6	9.9	10.1	6.9	7.7	7.9
Office of Telecommunications	5	2	NA	NA	NA	NA	NA	NA	NA	NA	NA
Office of the Secretary	0	0	0	0	1	2	0	0	0		1
Patent & Trademark Office	3	2	0	0	0	0	0	0	0	0	0
Department of Defense, total	1,130.9	1,200.6	1,342.6	1,413.6	1,542.6	1,721.4	1,996.6	2,266.1	2,437.0	2,200.7	2,306.9
Department of the Army	264.7	281.0	299.0	305.7	333.6	347.1	388.4	451.6	485.3	486.7	582.6
Department of the Navy	287.8	308.3	343.6	354.2	375.2	396.2	460.0	498.4	521.6	449.6	448.2
Department of the Air Force	276.9	298.4	341.0	353.6	387.2	429.1	491.5	488.1	524.2	547.7	538.4
Defense agencies	299.9	312.2	357.8	392.5	446.6	549.1	656.7	828.1	905.9	716.6	737.7
Defense Civil Preparedness Agency	1.7	7	1.3	7.5	NA	NA	NA	NA	NA	NA	NA
Department of Education	NA	NA	NA	NA	72.8	70.0	33.2	56.3	61.9	68.7	77.3
Department of Energy[12, 13]	NA	NA	501.8	661.7	668.9	754.2	827.3	1,053.9	1,193.4	1,194.5	1,198.4

See explanatory information, if any, and SOURCE at end of table.

Table C-98. Federal obligations for applied research, by selected agency: fiscal years 1975-85

[Dollars in millions]

Page 2 of 5

Selected agency	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985
Department of Health Education, & Welfare, total	1,021.1	1,164.6	1,294.8	1,448.4	NA	NA	NA	NA	NA	NA	NA
Alcohol, Drug Abuse, & Mental Health Administration	73.2	84.1	89.3	98.8	NA	NA	NA	NA	NA	NA	NA
Centers for Disease Control & Prevention	42.6	49.6	55.3	60.1	NA	NA	NA	NA	NA	NA	NA
Food & Drug Administration	35.9	37.1	42.9	64.1	NA	NA	NA	NA	NA	NA	NA
Health Care Financing Admin	NA	NA	30.0	19.4	NA	NA	NA	NA	NA	NA	NA
Health Resources Admin	16.7	27.9	7.4	5.0	NA	NA	NA	NA	NA	NA	NA
Health Services Admin	9.4	9.2	7.5	10.0	NA	NA	NA	NA	NA	NA	NA
Nat'l Institute of Education	2.2	5.7	15.2	16.3	NA	NA	NA	NA	NA	NA	NA
Nat'l Institutes of Health	775.7	847.4	935.9	1,051.5	NA	NA	NA	NA	NA	NA	NA
Office of the Assistant Secretary for Education	6	1.0	1.0	1.3	NA	NA	NA	NA	NA	NA	NA
Office of the Assistant Secretary for Health	0	0	24.6	27.5	NA	NA	NA	NA	NA	NA	NA
Office of Education	5.3	21.4	11.9	13.3	NA	NA	NA	NA	NA	NA	NA
Off of Human Dvlpmnt Svcs	7.1	34.6	46.5	42.9	NA	NA	NA	NA	NA	NA	NA
Office of the Secretary	22.2	18.8	16.0	25.1	NA	NA	NA	NA	NA	NA	NA
Social & Rehabilitation Svc	9.6	18.6	NA	NA	NA	NA	NA	NA	NA	NA	NA
Social Security Admin	20.8	9.1	11.2	12.9	NA	NA	NA	NA	NA	NA	NA
Department of Health & Human Services, total	NA	NA	NA	NA	1,439.7	1,570.1	1,591.9	1,460.9	1,545.4	1,651.5	1,795.8
Alcohol, Drug Abuse, & Mental Health Administration	NA	NA	NA	NA	118.9	128.8	121.4	128.7	155.4	165.2	179.7
Centers for Disease Control & Prevention	NA	NA	NA	NA	76.3	87.3	74.8	75.0	78.2	46.3	47.6
Food & Drug Administration	NA	NA	NA	NA	61.0	75.4	71.4	73.0	74.2	77.8	82.1
Health Care Financing Admin	NA	NA	NA	NA	31.8	45.7	38.6	29.1	30.2	33.1	33.5
Health Resources Admin	NA	NA	NA	NA	4.9	5.1	5.0	NA	NA	NA	NA
Health Resources & Services Administration	NA	NA	NA	NA	NA	NA	NA	6.1	10.2	15.4	17.3
Health Svcs Administration	NA	NA	NA	NA	8.2	6.0	6.4	NA	NA	NA	NA
Human Development Svcs[14]	NA	NA	NA	NA	14.9	19.1	39.5	8.3	6.9	4.5	5.8
Nat'l Institutes of Health[15]	NA	NA	NA	NA	1,066.4	1,145.1	1,181.5	1,103.8	1,165.2	1,285.6	1,410.1
Office of the Assistant Secretary for Health[16]	NA	NA	NA	NA	16.3	14.1	16.3	8.2	0	0	0
Office of the Secretary	NA	NA	NA	NA	22.6	22.0	18.9	13.1	14.4	10.0	9.4
Social Security Admin[17]	NA	NA	NA	NA	18.3	21.4	18.0	15.5	10.8	13.5	10.4
Dept of Housing & Urban Dvlpmt	33.5	36.9	32.7	30.5	23.8	19.6	16.7	10.3	11.3	6.3	6.5
Dept of the Interior, total	179.1	205.1	192.4	217.6	266.9	282.8	289.2	275.0	254.7	254.3	231.0
Bonneville Power Admin[12]	5	5	0	0	0	0	6.1	NA	NA	NA	NA
Bureau of Land Management	7	7	8	1.0	1.1	1.3	1.5	2.4	2.0	1.8	2.8
Bureau of Mines	51.0	72.5	48.3	48.4	65.4	71.3	54.4	65.2	55.9	56.7	36.7
Bureau of Reclamation	7.3	7.9	9.2	10.4	11.3	12.7	13.3	8.9	8.7	8.8	10.9
Geological Survey[18]	68.0	70.8	77.2	87.4	96.1	98.5	115.8	99.4	89.9	125.1	130.0
Heritage Conservation & Recreation Service	-	-	-	NA	NA	NA	NA	NA	NA	NA	NA
Minerals Management Service	NA	NA	NA	NA	NA	NA	NA	0	1.5	1.5	1.4
National Park Service[19]	7.7	8.7	7.5	7.7	8.9	8.2	10.4	11.2	13.7	14.0	15.0
Office of the Secretary	1.3	1	1.4	0	0	0	0	0	0	0	0
Office of Surface Mining Reclamation & Enforcement	NA	NA	0	2.2	5.0	7.5	5.8	1.5	1.5	8	2.0
Off of Water Rsch & Tech[18]	11.6	10.4	9.4	10.8	13.2	11.8	8.2	6.8	8	3.2	0
US Fish & Wildlife Service[19]	31.0	33.7	38.6	49.7	65.9	71.4	73.9	79.6	80.6	42.3	32.2

See explanatory information, if any, and SOURCE at end of table.

Table C-98. Federal obligations for applied research, by selected agency: fiscal years 1975-85

[Dollars in millions]

Page 3 of 5

Selected agency	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985
Department of Justice, total	9.4	13.8	12.5	31.0	20.9	19.2	14.9	13.2	17.1	13.2	15.1
Bureau of Prisons[20]	0	0	1	7	5	9	1.7	9	1.3	1.2	1.1
Drug Enforcement Admin	9	5	9	5	7	8	4	1.3	9	7	5
Immigration & Naturalization Service		1	1	2	1	2	.1	3	3	3	.2
Office of Justice Programs	8.5	13.2	11.3	28.6	18.0	16.1	12.0	10.3	14.4	11.0	13.0
Office of Legal Policy	0	0	0	1.1	1.6	1.3	.7	4	.2	0	3
Department of Labor, total	14.4	17.0	18.0	22.0	39.8	32.6	54.5	10.6	12.7	11.2	9.1
Bureau of Labor Statistics	7	8	9	8	9	9	3	3	7	5	6
Employment Standards Admin	3.2	4.3	4.4	3.7	5.3	4.9	3.2	1.4	1.4	9	-
Employment & Training Admin	6.6	6.9	5.8	11.4	24.2	16.2	45.1	2.1	2.6	1.0	3
Labor-Management Relations & Cooperative Programs[21]	NA	NA	NA	NA	NA	NA	NA	NA	NA	3	3
Labor-Management Services Administration[21]	5	4	3.2	2.6	2.7	2.8	1.8	7	9	.0	.0
Occupational Safety & Health Administration	1.4	2.9	3.4	1.3	5.1	6.3	3.0	4.9	5.3	5.1	4.5
Office of the Secretary	2.0	1.8	2	2.2	1.6	1.4	1.1	9	1.5	1.9	1.7
Pension Benefit Guaranty Corporation	NA	NA	NA	NA	NA	NA	1	.3	3	3	2
Pension & Welfare Benefit Administration	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.2	1.6
Department of State, total[22]	21.0	25.1	38.3	49.1	2.6	2.0	1.6	1.5	1.5	1.6	1.5
Agcy for Internat'l Dvlpmt[23]	20.2	24.0	36.2	46.6	NA	NA	NA	NA	NA	NA	NA
Departmental funds	7	1.1	2.1	2.5	2.6	2.0	1.6	.0	0	0	0
Dept of Transportation, total	53.8	31.1	51.8	66.5	67.0	82.4	87.4	65.7	71.7	74.2	70.2
Coast Guard	4.2	2.6	2.5	2.3	10.9	8.1	14.7	1.7	.8	7.2	5.4
Federal Aviation Admin	14.1	3.6	4.7	5.8	7.5	8.2	8.2	7.0	12.5	15.0	17.3
Federal Highway Admin	3.4	1.9	5.3	9	4.4	4.6	5.1	5.3	7.3	6.1	6.3
Federal Railroad Admin	2.7	8.6	6.6	5.7	7.5	7.9	6.2	3.1	2.8	12.3	11.4
Federal Transit Admin[24]	2.9	6	1.0	1.1	1.1	8.9	9.3	19.4	18.3	1.0	.5
Maritime Administration[11]	NA	NA	NA	NA	NA	NA	8.9	5.6	5.7	5.1	7.0
National Highway Traffic Safety Administration	12.0	9.9	27.5	38.0	30.0	38.6	29.4	21.3	21.4	24.7	20.9
Office of the Secretary	14.4	3.9	4.2	4.1	6	.6	.7	.3	3	9	9
Research & Special Programs Administration	NA	NA	0	1	5.0	5.5	4.9	2.1	2.6	1.8	.5

See explanatory information, if any, and SOURCE at end of table

Table C-98. Federal obligations for applied research, by selected agency: fiscal years 1975-85

[Dollars in millions]

Page 4 of 5

Selected agency	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985
Dept of the Treasury, total	0.4	1.5	2.1	4.1	4.5	4.0	2.9	5.9	6.7	6.6	13.6
Bureau of Alcohol, Tobacco & Firearms	0	0	4	4	7	3	1	NA	NA	NA	NA
Bureau of Engraving & Printing	4	1.5	1.7	1.9	6	1.3	9	2.8	1.4	1.4	3.1
Internal Revenue Svc[25]	0	0	0	1.8	3.3	2.2	1.8	3.1	5.0	4.9	10.2
United States Customs Svc	0	0	0	0	0	1	1	-	0	1	1
United States Secret Svc[25]	NA	NA	NA	NA	NA	0	0	0	3	1	2
Department of Veterans Affairs	83.3	76.2	83.2	90.5	101.8	103.6	112.7	110.1	132.0	156.1	193.7
Other agencies:											
Action	1	-	-	2	0	0	0	0	0	0	0
Advisory Commission on Intergovernmental Relations	1.2	1.0	1.5	1.7	1.7	2.2	2.2	2.0	2.1	2.1	2.4
Agcy for Internat'l Dvlpmt[23]	NA	NA	NA	NA	66.9	79.7	86.4	127.9	152.6	164.0	158.1
Appalachian Regional Commission	NA	7	6	3	7	6	3	3	2	4	2
Civil Service Commission	1.0	8	7	NA	NA	NA	NA	NA	NA	NA	NA
Community Services Admin	2	0	1.0	2.0	1.8	1.3	1.9	NA	NA	NA	NA
Consumer Product Safety Comm	3.0	3.5	3.7	9	1.8	1.6	2	1	3	1.1	1.4
Energy Rsch & Dvlpmt Admin[13]	280.7	400.7	NA	NA	NA	NA	NA	NA	NA	NA	NA
Environmental Protection Agency	124.3	141.7	197.0	246.7	248.9	231.5	207.8	210.7	152.4	142.3	176.0
Federal Communications Comm	1.1	1.5	2.0	2.4	2.9	3.4	1.8	1.2	1.3	9	1.2
Federal Emergency Management Agency	NA	NA	NA	1.9	6.7	6.7	6.4	7.8	3.3	6.1	2.9
Federal Energy Administration	2	1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA
Fed Home Loan Bank Board[27]	7	8	1.7	1.0	9	1.2	1.0	2.7	3.0	2.6	2.8
Federal Trade Commission	9	6	8	9	1.1	1.5	2	2	2	2	3
General Services Admin[28]	6	3	3	4	1	1	4	5	2	4	3
Interstate Commerce Comm	0	1	1	3	2	1	0	0	0	0	0
Library of Congress	4	3	3	4	5	5	7	7	1.0	1.5	1.5
National Aeronautics & Space Administration	625.8	929.6	792.3	865.4	938.4	1,050.5	876.0	871.4	927.8	954.7	1,032.7
National Archives & Records Administration[28]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1
National Science Foundation	84.0	72.1	63.4	65.5	66.8	58.4	58.9	57.1	62.9	70.5	83.8
Nuclear Regulatory Commission	64.2	88.4	112.3	133.9	148.8	182.7	219.7	220.3	207.3	190.7	150.0
Office of Personnel Management	NA	NA	NA	1.0	1.4	2.6	3.4	0	0	0	0
Office of Telecomm Policy	2.1	1.5	NA	NA	NA	NA	NA	NA	NA	NA	NA
Office of Thrift Supervision[27]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Small Business Administration	2	1	5	0	0	0	0	0	0	0	0
Special Action Office for Drug Abuse Prevention	3.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tennessee Valley Authority	14.7	16.5	19.3	9.7	12.4	11.2	9.4	8.1	6.7	9.2	8.9

See explanatory information, if any, and SOURCE at end of table.

Table C-98. Federal obligations for applied research, by selected agency: fiscal years 1975-85

[Dollars in millions]

Page 5 of 5

Selected agency	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985
United States Arms Control & Disarmament Agency[29]	1.0	1.4	1.8	2.5	2.7	3.0	1.6	1.3	0.8	1.2	1.1
US Information Agency[30]	1	1	1	1	1	1	1.0	0	-	1.4	1
US Internat'l Trade Commission	0	1.5	2.6	3.1	3.4	2.1	3.4	3.8	4.7	5.0	5.8

[1] Includes programs of the Farmer Cooperative Service for fiscal years 1970-76.

[2] Fiscal year 1979 was the first year in which Congress appropriated funds to the Agricultural Marketing Service. Data reported for the Agricultural Marketing Service include funds for the Office of Transportation beginning in 1989.

[3] The Human Nutrition Information Service merged with the Agricultural Research Service on February 20, 1994.

[4] Includes the former Agriculture Research Service of the Science and Education Administration for fiscal years 1978-80.

[5] Includes former Cooperative State Research Service of the Science and Education Administration for fiscal years 1978-80.

[6] The Cooperative State Research Service merged with the Extension Service on October 19, 1994, due to a reorganization within the Department of Agriculture.

[7] Includes programs of the Economic Research Service, the Statistical Reporting Service, and the Farmer Cooperative Service for fiscal years 1977-79.

[8] Includes programs of the Economic Research Service and the Statistical Reporting Service for fiscal year 1980.

[9] Name changed from Federal Grain Inspection Service on October 20, 1994.

[10] The Office of International Cooperation and Development became part of the Foreign Agricultural Service (FAS) in June of 1994. Data reported for FAS include funds appropriated to International Cooperation and Development programs within FAS as of fiscal year 1994.

[11] In 1981 the Maritime Administration moved from the Department of Commerce to the Department of Transportation.

[12] In fiscal year 1982 the Bonneville Power Administration became part of the Department of Energy.

[13] In 1977 the Energy Research and Development Administration became part of the Department of Energy.

[14] In fiscal year 1991 Human Development Services was replaced by the Administration for Children and Families and by the Administration on Aging. Beginning in fiscal year 1992, data shown for the Administration for Children and Families are separate from obligations for the Administration on Aging. Obligations reported for the Administration for Children and Families may be incomplete for fiscal year 1992 due to unavailability of data.

[15] Fiscal year 1992 figures include obligations from the Alcohol, Drug Abuse, and Mental Health Administration. Due to reorganization within the Department of Health and Human Services, the Alcohol, Drug Abuse, and Mental Health Administration ceased to exist as of October 1992, and its research and development functions are reported with the National Institutes of Health data beginning with Vol. 42.

[16] In fiscal year 1991 the Agency for Health Care Policy and Research became separate from the Office of the Assistant Secretary for Health.

[17] As of March 31, 1995, the Social Security Administration became an independent agency; it is no longer part of the Department of Health & Human Services.

[18] As of 1985 the Office of Water Research and Technology has been combined with the Geological Survey.

[19] The National Biological Service's name changed from the National Biological Survey on January 5, 1995. As of fiscal year 1994, the National Biological Service performs all biological research activities formerly funded by the US Fish & Wildlife Service and the National Park Service.

[20] The Bureau of Prisons was formerly listed as Federal Prison System.

[21] In 1984 the Labor-Management Services Administration was replaced by Labor-Management Relations and Cooperative Programs.

[22] Increases in outlays and obligations reported by the Department of State during the Vol. 44 survey cycle reflect reporting of monies received through interagency agreements from the Agency for International Development. The Department of State transfers these outlays and obligations to other R&D performers.

[23] Agency for International Development (AID) became separate from the Department of State in 1979. AID includes programs of the International Development Cooperative Agency for fiscal years 1979-81.

[24] Name changed from Urban Mass Transit Administration on December 18, 1991.

[25] Due to the reorganization of the Internal Revenue Service and subsequent unavailability of data, fiscal year 1992 figures are taken from estimates made in the Vol. 41 submission. Large changes in obligations reported by this agency for Vol. 44 are due to the shifts in research funding.

[26] Formerly listed as Office of Protective Research.

[27] In 1989 the Federal Home Loan Bank Board was replaced by the Office of Thrift Supervision. In 1990 the Office of Thrift Supervision became part of the Department of the Treasury.

[28] As of 1985 the National Archives and Records Administration is separate from the General Services Administration.

[29] Fiscal year 1994 figures are estimates based on the Vol. 43 submission.

[30] Data reported for the US Information Agency include funds for the former International Communication Agency for fiscal years 1977-81.

NOTES: Because of rounding, detail may not add to totals.

Data for only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal Funds Survey, refer to appendix A.

KEY: = Amount less than 50 thousand dollars
NA = Not applicable (indicates that the agency or agency subdivision did not exist as such or in that organization in that year)

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1994, 1995, and 1996

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Table C-98a. Federal obligations for applied research, by selected agency: fiscal years 1986-96

[Dollars in millions]

Page 1 of 5

Selected agency	1986	1987	1988	1989	1990	1991	1992	1993	1994	Estimates	
										1995	1996
Total, all agencies	8,349.1	8,998.1	9,176.5	10,163.5	10,336.8	11,797.6	12,000.7	13,491.4	13,887.5	14,234.8	14,233.5
Departments											
Dept of Agriculture, total	463.5	473.4	504.6	517.3	542.1	617.9	665.8	635.8	715.9	708.0	698.8
Agricultural Coop Svc[1]	2.6	2.7	2.7	2.8	2.7	2.8	3.4	2.9	3.7	.0	.0
Agricultural Marketing Svc[2]	1.3	1.2	1.3	1.3	1.7	3.7	4.1	4.1	4.2	4.1	4.1
Agricultural Rsch Svc[3] [4]	188.3	201.1	208.2	209.4	218.2	241.1	257.1	233.3	257.9	259.9	259.0
Animal & Plant Health Inspection Service	4.2	4.9	5.6	7.4	.0	.0	0	0	.0	.0	.0
Cooperative State Rsch. Ed. & Extension Svc[5] [6]	137.4	138.0	152.6	164.7	170.5	206.4	228.6	226.2	234.3	227.1	215.1
Economic Research Svc	40.1	38.5	41.4	42.6	43.5	46.8	50.6	48.3	45.3	48.2	49.2
Grain Inspection Packers & Stockyards Administration[7]	6	7	6	8	2	7	1.5	1.8	1.8	1.8	2.8
Foreign Agricultural Svc[8]	0	0	0	0	0	0	.0	0	.2	4	4
Forest Service	67.5	73.5	79.9	77.5	93.5	103.6	106.9	107.8	156.5	160.6	163.7
Human Nutrition Info Svc[3]	12.8	6.8	8.2	8.4	9.0	9.9	10.7	8.4	7.0	NA	NA
Nat'l Agricultural Stat Svc	5.4	2.3	2.4	1.9	1.9	2.2	2.4	2.6	2.6	2.4	2.5
Office of International Cooperation & Dvlpmt[8]	2.9	3.3	1.2	6	9	7	4	4	NA	NA	NA
Office of Transportation[2]	4	4	4	NA	NA	NA	NA	NA	NA	NA	NA
Rural Business & Coop Development Service	NA	NA	NA	NA	NA	NA	NA	NA	2.4	3.6	2.0
Department of Commerce, total	312.9	312.8	311.5	321.9	345.6	415.4	561.4	544.9	678.2	948.3	968.4
Bureau of the Census	2.1	2.1	2.4	1.8	2.1	2.3	2.4	2.9	2.5	3.0	3.0
Economic Development Admin	2.3	5.0	4.2	1.0	1.2	1.4	.5	0	.6	.5	1.5
National Institute of Standards & Technology	63.5	64.3	72.6	77.6	83.2	92.5	115.8	136.4	167.5	441.6	410.9
National Oceanic & Atmospheric Administration	237.5	234.4	225.0	234.6	252.4	315.6	438.7	401.4	502.7	497.3	546.4
National Telecommunications & Information Administration	7.6	7.0	7.3	6.9	6.8	3.6	4.0	4.2	4.8	6.0	6.5
Office of the Secretary	.0	-	.0	.0	.0	.0	.0	.0	.0	.0	.0
Department of Defense, total	2,303.3	2,440.0	2,362.2	2,708.2	2,581.6	2,723.8	2,974.5	3,515.2	3,040.0	3,169.0	2,948.9
Department of the Army	578.8	692.9	588.0	636.3	595.2	671.9	727.8	802.8	639.3	664.2	472.5
Department of the Navy	447.1	432.5	406.0	429.2	442.6	486.0	499.0	574.1	447.0	501.9	480.3
Department of the Air Force	542.5	563.2	576.7	604.6	579.3	621.2	584.7	669.1	571.9	682.8	673.7
Defense agencies	735.0	751.3	791.5	1,038.1	964.6	944.7	1,162.9	1,469.2	1,381.7	1,320.1	1,322.4
Department of Education	91.3	103.8	106.6	117.5	125.3	123.1	119.5	128.3	131.2	143.4	142.6
Department of Energy[9] [10]	1,080.7	1,029.4	1,050.6	1,020.8	1,065.7	1,587.2	1,676.1	1,685.4	1,679.2	1,817.6	1,771.9

See explanatory information, if any, and SOURCE at end of table.

Table C-98a. Federal obligations for applied research, by selected agency: fiscal years 1986-96

[Dollars in millions]

Page 2 of 5

Selected agency	1986	1987	1988	1989	1990	1991	1992	1993	1994	Estimates	
										1995	1996
Department of Health & Human Services, total	1,850.8	2,194.0	2,415.6	2,700.4	2,818.1	3,112.4	2,886.8	3,495.9	3,852.5	4,029.2	4,110.3
Administration on Aging[11]	NA	NA	NA	NA	NA	2.9	2.5	2.7	3.5	2.7	3.2
Administration for Children & Families[11]	NA	NA	NA	NA	0	13.5	34.3	18.5	10.4	10.8	10.7
Agency for Health Care Policy & Research[12]	NA	NA	NA	NA	44.2	93.0	97.8	105.6	141.2	148.9	177.3
Alcohol, Drug Abuse, & Mental Health Administration	191.5	241.1	286.6	384.7	415.0	463.9	NA	NA	NA	NA	NA
Centers for Disease Control & Prevention	52.2	66.2	88.7	117.8	95.6	113.4	146.9	162.5	206.8	216.9	217.1
Food & Drug Administration	79.4	85.0	91.0	99.0	99.0	125.0	135.7	154.5	169.4	170.4	171.8
Health Care Financing Admin	29.0	27.3	28.2	49.1	49.1	69.1	75.5	68.2	80.0	89.0	64.5
Health Resources & Services Administration	11.2	8.0	9.0	9.3	10.7	9.5	8.8	8.5	9.8	9.7	9.6
Human Development Svcs[11]	6.8	9.4	7.1	8.5	7.7	NA	NA	NA	NA	NA	NA
Nat'l Institutes of Health[13]	1,469.0	1,739.1	1,885.6	2,008.5	2,074.1	2,193.5	2,341.3	2,942.9	3,197.4	3,311.9	3,443.8
Office of the Assistant Secretary for Health[12]	.0	0	.0	0	5.8	9.6	6.0	.0	.0	0	0
Office of the Secretary	6.1	8.2	4.7	7.8	5.0	8.8	5.0	8.0	11.7	13.4	12.3
Social Security Admin[14]	5.6	9.8	14.7	15.8	11.8	10.2	33.0	24.5	22.2	55.4	NA
Dept of Housing & Urban Dvlpmt	5.3	5.5	6.3	6.1	6.6	9.4	8.8	8.1	13.7	15.2	15.3
Dept of the Interior, total	234.9	247.3	266.0	253.0	269.8	324.1	339.7	349.8	566.9	562.6	563.8
Bureau of Land Management	2.1	2.1	2.2	2.0	2.1	4.8	5.3	7.4	.0	.0	.0
Bureau of Mines	36.6	39.6	54.1	49.3	49.3	56.2	59.2	60.4	70.0	66.9	55.2
Bureau of Reclamation	9.6	10.1	3.6	3.5	5.2	7.7	10.7	7.4	5.5	5.6	5.7
Geological Survey[15]	127.8	131.7	135.8	126.8	134.2	159.3	164.3	165.9	311.9	307.2	315.0
Minerals Management Service	1.1	1.0	1.2	2.2	1.9	2.7	3.8	5.8	20.6	20.8	22.7
National Biological Svc[16]	NA	NA	NA	NA	NA	NA	NA	.0	135.4	138.5	142.6
National Park Service[16]	17.3	18.5	19.4	19.4	20.1	27.5	31.1	37.5	23.6	23.6	22.7
Office of the Secretary	.0	0	.1	.0	.0	.1	.2	.2	.0	0	.0
Office of Surface Mining Reclamation & Enforcement	2.3	1.0	1.0	.7	.7	1.0	.3	.5	.0	.0	0
US Fish & Wildlife Service[16]	38.1	43.3	48.7	49.1	56.4	64.8	64.8	64.8	NA	NA	NA

See explanatory information, if any, and SOURCE at end of table.

Table C-98a. Federal obligations for applied research, by selected agency: fiscal years 1986-96

[Dollars in millions]

Page 3 of 5

Selected agency	1986	1987	1988	1989	1990	1991	1992	1993	1994	Estimates	
										1995	1996
Department of Justice, total	17.0	11.8	9.8	10.7	11.1	14.7	15.0	20.5	20.0	21.8	23.4
Bureau of Prisons[17]	2.7	2.2	2.1	2.1	1.8	1.9	2.5	2.5	2.1	2.3	2.3
Drug Enforcement Admin	8	7	6	.5	4	9	1		.1	1	.
Immigration & Naturalization Service	2	2	.3	1	.4	4	.4	4	4	4	4
Office of Justice Programs	13.2	8.6	6.8	8.0	8.5	11.5	12.0	17.6	17.4	19.0	20.6
Office of Legal Policy	2	1	.0	.0	0	0	0	0	0	0	.0
Department of Labor, total	8.7	19.0	26.4	21.8	21.3	24.0	23.6	13.4	13.7	18.7	23.6
Bureau of Labor Statistics	6	6.5	7.0	7.0	7.3	7.5	7.6	1.5	1.5	1.5	1.8
Employment Standards Admin	0	1.0	1	1	.1	0	0	0	0	0	0
Employment & Training Admin	2.6	4.0	6.5	5.7	5.7	6.3	5.4	3.3	2.9	7.1	11.9
Labor-Management Relations & Cooperative Programs[18]	2	3	4	3	0	0	NA	NA	NA	NA	NA
Occupational Safety & Health Administration	3.6	4.1	4.2	4.5	2.5	2.6	3.1	2.5	3.3	4.4	4.4
Office of the Secretary	1.3	1.8	5.2	2.5	3.3	4.7	4.1	2.9	3.1	2.9	2.6
Pension Benefit Guaranty Corporation	1	3	3	3	3	4	8	7	3	1	1
Pension & Welfare Benefit Administration	3	1.0	2.7	1.4	2.1	2.5	2.6	2.6	2.7	2.7	2.8
Department of State, total[19]	1.5	3	1.0	1.3	1.2	1.3	7	5	4	4	4
Dept of Transportation, total	67.6	68.6	91.2	120.5	119.2	114.6	155.7	224.4	270.4	363.7	311.3
Coast Guard	3.5	3.7	5.4	4.6	5.1	6.4	5.0	8.2	5.6	5.4	5.5
Federal Aviation Admin	14.0	11.1	13.3	23.6	26.1	24.0	30.1	59.8	79.5	87.0	78.0
Federal Highway Admin	14.7	20.7	43.7	56.6	57.6	46.1	72.0	90.1	131.2	204.4	.0
Federal Railroad Admin	12.5	10.4	8.2	7.5	8.5	13.2	18.9	20.9	16.1	21.3	16.2
Federal Transit Admin[20]	.0	0	.0	.0	.0	.0	0	10.9	7.8	11.2	.0
Infrastructure Investment[21]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	180.4
Maritime Administration[22]	6.2	3.1	.5	.0	.9	1.7	1.8	1.7	1.7	2.7	5.0
National Highway Traffic Safety Administration	16.1	18.9	19.1	26.2	16.9	21.4	25.8	31.6	25.3	25.9	20.2
Office of the Secretary	.4	.4	.7	1.3	1.7	6	.7	6	6	6	6
Research & Special Programs Administration	.3	.2	.4	.7	2.4	1.4	1.4	.5	2.6	5.2	5.4

See explanatory information, if any, and SOURCE at end of table.

Table C-98a. Federal obligations for applied research, by selected agency: fiscal years 1986-96

[Dollars in millions]

Page 4 of 5

Selected agency	1986	1987	1988	1989	1990	1991	1992	1993	1994	Estimates 1995	Estimates 1996
Dept of the Treasury, total	12.7	12.7	11.1	13.0	15.3	20.6	17.2	4.6	9.2	36.7	37.8
Bureau of Engraving & Printing	2.7	2.7	1.1	.9	1.4	2.7	1.8	3.2	1.6	1.3	2.2
Internal Revenue Svc[23]	9.5	9.7	9.0	11.3	13.1	13.9	13.9	.0	6.1	33.7	33.7
Off of Thrift Supervision[24]	NA	NA	NA	NA	.0	3.0	.8	.7	.5	.6	.7
United States Customs Svc	.2	.2	.7	.4	.4	.5	.2	.1	.5	.6	.7
United States Secret Svc[25]	.2	.1	.3	.4	.5	.4	.5	.6	.5	.6	.6
Department of Veterans Affairs	155.1	173.1	178.8	197.1	199.4	177.7	185.2	194.1	209.1	220.4	218.5
Other agencies:											
Advisory Commission on Intergovernmental Relations	2.1	1.9	1.8	1.1	1.5	1.7	1.7	2.1	1.4	1.3	1.5
Agcy for Internat'l Dvlpmt[26]	180.7	151.2	132.1	216.0	300.2	351.7	294.2	350.8	214.4	230.8	190.7
Appalachian Regional Commission	.2	.1	.2	.8	.4	.7	1.9	.9	.9	.9	.9
Consumer Product Safety Comm	1.1	.6	.1	.5	.4	.9	.8	.8	.1	.0	.0
Environmental Protection Agency	179.3	246.1	240.7	222.6	241.6	261.9	293.9	272.4	301.0	310.8	371.6
Federal Communications Comm	.9	1.0	1.2	1.1	1.3	1.4	1.6	1.6	1.7	2.1	1.8
Fed Home Loan Bank Board[24]	3.3	3.4	3.4	NA	NA	NA	NA	NA	NA	NA	NA
Federal Trade Commission	.1	.5	.4	.4	.5	1.0	1.3	.9	.7	.9	1.0
General Services Admin[27]	.9	1.6	2.3	.5	.7	.0	.0	.0	.0	.0	.0
Library of Congress	1.1	1.1	1.2	1.2	1.2	1.3	1.4	1.4	1.5	1.5	1.5
National Aeronautics & Space Administration	1,152.3	1,255.5	1,218.9	1,461.4	1,423.8	1,665.6	1,491.1	1,748.6	1,876.7	1,331.5	1,483.5
National Archives & Records Administration[27]	.0	.3	.3	.1	.1	.3	.1	.1	.1	.1	.1
National Science Foundation	78.1	99.3	99.6	107.8	103.3	109.0	176.9	138.1	169.7	185.0	195.4
Nuclear Regulatory Commission	123.8	122.5	108.5	114.8	108.8	108.8	119.0	119.8	90.7	86.0	81.8
Office of Thrift Supervision[24]	NA	NA	NA	4.1	4.1	NA	NA	NA	NA	NA	NA
Social Security Admin[14]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	37.2
Tennessee Valley Authority	10.5	13.8	15.3	11.7	17.0	16.9	22.2	18.1	17.0	17.4	19.3

See explanatory information, if any, and SOURCE at end of table

Table C-98a. Federal obligations for applied research, by selected agency: fiscal years 1986-96

[Dollars in millions]

Selected agency	1986	1987	1988	1989	1990	1991	1992	1993	1994	Estimates	
										1995	1996
United States Arms Control & Disarmament Agency[28]	0.9	0.4	0.8	1.2	0.2	0.4	2.1	1.5	1.3	1.1	1.1
US Information Agency[29]	1.6	0	.1	0	.5	.1	0	1.1	.6	.3	.3
US Internat'l Trade Commission	6.9	7.2	8.1	8.7	9.1	9.9	12.3	12.2	9.4	10.2	10.8

[1] Includes programs of the Farmer Cooperative Service for fiscal years 1970-76

[2] Fiscal year 1979 was the first year in which Congress appropriated funds to the Agricultural Marketing Service. Data reported for the Agricultural Marketing Service include funds for the Office of Transportation beginning in 1989.

[3] The Human Nutrition Information Service merged with the Agricultural Research Service on February 20, 1994.

[4] Includes the former Agriculture Research Service of the Science and Education Administration for fiscal years 1978-80

[5] Includes former Cooperative State Research Service of the Science and Education Administration for fiscal years 1978-80

[6] The Cooperative State Research Service merged with the Extension Service on October 19, 1994, due to a reorganization within the Department of Agriculture.

[7] Name changed from Federal Grain Inspection Service on October 20, 1994

[8] The Office of International Cooperation and Development became part of the Foreign Agricultural Service (FAS) in June of 1994. Data reported for FAS include funds appropriated to International Cooperation and Development programs within FAS as of fiscal year 1994.

[9] In fiscal year 1982 the Bonneville Power Administration became part of the Department of Energy.

[10] In 1977 the Energy Research and Development Administration became part of the Department of Energy.

[11] In fiscal year 1991 Human Development Services was replaced by the Administration for Children and Families and by the Administration on Aging. Beginning in fiscal year 1992, data shown for the Administration for Children and Families are separate from obligations for the Administration on Aging. Obligations reported for the Administration for Children and Families may be incomplete for fiscal year 1992 due to unavailability of data.

[12] In fiscal year 1991 the Agency for Health Care Policy and Research became separate from the Office of the Assistant Secretary for Health.

[13] Fiscal year 1992 figures include obligations from the Alcohol, Drug Abuse, and Mental Health Administration. Due to reorganization within the Department of Health and Human Services, the Alcohol, Drug Abuse, and Mental Health Administration ceased to exist as of October 1992, and its research and development functions are reported with the National Institutes of Health data beginning with Vol. 42.

[14] As of March 31, 1995, the Social Security Administration became an independent agency; it is no longer part of the Department of Health & Human Services.

[15] As of 1985 the Office of Water Research and Technology has been combined with the Geological Survey.

[16] The National Biological Service's name changed from the National Biological Survey on January 5, 1995. As of fiscal year 1994, the National Biological Service performs all biological research activities formerly funded by the US Fish & Wildlife Service and the National Park Service.

[17] The Bureau of Prisons was formerly listed as Federal Prison System.

[18] In 1984 the Labor-Management Services Administration was replaced by Labor-Management Relations and Cooperative Programs.

[19] Increases in outlays and obligations reported by the Department of State during the Vol. 44 survey cycle reflect reporting of monies received through interagency agreements from the Agency for International Development. The Department of State transfers these outlays and obligations to other R&D performers.

[20] Name changed from Urban Mass Transit Administration on December 18, 1991

[21] Monies estimated for fiscal year 1996 by Infrastructure Investment represent a proposed consolidation of several agencies within the Department of Transportation.

[22] In 1981 the Maritime Administration moved from the Department of Commerce to the Department of Transportation.

[23] Due to the reorganization of the Internal Revenue Service and subsequent unavailability of data, fiscal year 1992 figures are taken from estimates made in the Vol. 41 submission. Large changes in obligations reported by this agency for Vol. 44 are due to the shifts in research funding.

[24] In 1989 the Federal Home Loan Bank Board was replaced by the Office of Thrift Supervision. In 1990 the Office of Thrift Supervision became part of the Department of the Treasury.

[25] Formerly listed as Office of Protective Research

[26] Agency for International Development (AID) became separate from the Department of State in 1979. AID includes programs of the International Development Cooperative Agency for fiscal years 1979-81.

[27] As of 1985 the National Archives and Records Administration is separate from the General Services Administration.

[28] Fiscal year 1994 figures are estimates based on the Vol. 43 submission.

[29] Data reported for the US Information Agency include funds for the former International Communication Agency for fiscal years 1977-81.

NOTES: Because of rounding, detail may not add to totals.

Data for only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal Funds Survey, refer to appendix A.

KEY: – = Amount less than 50 thousand dollars
NA = Not applicable (indicates that the agency or agency subdivision did not exist as such or in that organization in that year)

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1994, 1995, and 1996

Table C-99. Federal obligations for development, by selected agency: fiscal years 1975-85

[Dollars in millions]

Page 1 of 4

Selected agency	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985
Total, all agencies	12,309.1	13,160.3	14,936.3	16,238.4	17,610.1	18,233.1	20,891.1	23,410.4	24,458.0	27,246.1	32,226.1
Departments											
Dept of Agriculture, total	18.1	20.2	22.9	26.8	31.1	30.2	33.0	30.8	30.0	31.3	32.0
Agricultural Marketing Svc[1]	NA	NA	NA	NA	.5	.3	.2	.2	.3	.3	.3
Agricultural Rsch Svc[2, 3]	13.0	14.5	18.0	21.8	24.9	23.3	26.2	25.8	25.5	27.0	27.7
Economics, Stat & Coop Svc[4]	NA	NA	.8	.0	.0	NA	NA	NA	NA	NA	NA
Grain Inspection Packers & Stockyards Administration[5]	NA	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2
Forest Service	4.9	5.4	4.2	5.0	5.0	5.5	6.2	4.5	3.8	3.3	3.3
Nat'l Agricultural Stat Svc	.2	.3	NA	NA	NA	NA	.0	.0	.0	.0	.0
Office of International Cooperation & Dvlpmt[6]	NA	NA	NA	NA	.0	.4	.3	.2	.4	.7	.4
Office of Transportation[1]	NA	NA	NA	NA	.7	.8	.1	.1	.1	.1	.2
Department of Commerce, total	71.0	73.1	68.6	90.9	89.9	88.1	78.6	60.2	50.2	61.5	74.6
Bureau of the Census	.4	.4	.6	1.1	1.2	1.2	.9	1.9	2.1	2.1	2.4
Economic Development Admin	9.2	13.0	12.5	32.6	34.6	29.8	26.3	8.0	.0	.0	11.0
Maritime Administration[7]	17.1	14.0	11.1	12.6	7.4	7.3	NA	NA	NA	NA	NA
Minority Business Dvlpmt Agcy	3.7	1.6	2.7	.0	.0	.0	.0	.0	.0	.0	.0
National Fire Prevention & Control Administration	2.9	3.2	2.1	NA	NA	NA	NA	NA	NA	NA	NA
National Institute of Standards & Technology	8.4	9.9	8.3	9.8	16.0	17.3	16.3	14.9	13.6	11.8	14.0
National Oceanic & Atmospheric Administration	28.3	30.2	29.9	33.5	28.5	30.9	32.9	33.5	33.1	46.6	45.4
National Telecommunications & Information Administration	NA	NA	.9	.7	1.7	1.1	1.1	1.2	1.4	.9	1.2
Office of Telecommunications	.7	.5	NA	NA	NA	NA	NA	NA	NA	NA	NA
Office of the Secretary	.0	.0	.0	.0	.0	-	.0	.0	-	.1	.6
Patent & Trademark Office	.3	.2	.5	.5	.5	.5	1.1	.7	.0	.0	.0
Department of Defense, total	7,581.5	8,127.2	9,247.5	9,729.6	10,492.1	11,719.2	13,907.7	17,669.8	19,770.1	22,324.3	26,623.2
Department of the Army	1,560.4	1,651.3	2,043.9	2,139.1	2,320.1	2,500.7	2,707.7	3,121.3	3,304.5	3,516.8	3,747.4
Department of the Navy	2,693.7	2,890.1	3,320.0	3,472.1	3,767.7	4,095.0	4,308.0	5,066.4	5,241.2	6,840.2	8,336.1
Department of the Air Force	3,157.7	3,344.3	3,605.3	3,813.6	4,033.4	4,673.7	6,351.9	8,724.0	10,124.2	11,351.5	12,524.3
Defense agencies	145.9	217.5	248.0	276.2	341.7	411.9	499.1	717.1	1,038.7	557.3	1,964.8
Test & Evaluation, Deputy Under Secretary Defense	23.9	24.1	30.2	28.6	29.3	37.9	41.1	41.0	61.6	58.6	50.6
Department of Education	NA	NA	NA	NA	72.9	51.8	51.1	57.5	35.6	34.8	33.0
Department of Energy[8, 9]	NA	NA	2,645.0	3,142.6	3,506.9	3,476.4	3,504.6	3,012.1	2,575.6	2,648.7	2,825.0
Department of Health, Education, & Welfare, total	472.6	432.8	409.0	466.5	NA	NA	NA	NA	NA	NA	NA
Alcohol, Drug Abuse, & Mental Health Administration	.0	2.8	1.0	1.4	NA	NA	NA	NA	NA	NA	NA
Health Resources Admin	26.6	7.2	.0	.5	NA	NA	NA	NA	NA	NA	NA
Health Services Admin	6.7	8.0	8.1	7.6	NA	NA	NA	NA	NA	NA	NA
Nat'l Institute of Education	65.8	52.9	37.8	54.9	NA	NA	NA	NA	NA	NA	NA
Nat'l Institutes of Health	275.7	292.6	311.2	348.3	NA	NA	NA	NA	NA	NA	NA
Office of the Assistant Secretary for Health	.0	.0	3.6	3.6	NA	NA	NA	NA	NA	NA	NA
Office of Education	40.6	36.8	19.2	19.6	NA	NA	NA	NA	NA	NA	NA
Off of Human Dvlpmnt Svcs	57.3	27.3	28.1	30.7	NA	NA	NA	NA	NA	NA	NA
Social Security Admin	.0	5.3	.0	.0	NA	NA	NA	NA	NA	NA	NA

See explanatory information, if any, and SOURCE at end of table.

Table C-99. Federal obligations for development, by selected agency: fiscal years 1975-85

[Dollars in millions]

Page 2 of 4

Selected agency	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985
Department of Health & Human Services, total	NA	NA	NA	NA	489.2	447.4	434.9	335.2	331.7	364.7	422.7
Alcohol, Drug Abuse, & Mental Health Administration	NA	NA	NA	NA	.7	.0	1.8	2.1	1.8	1.2	1.1
Health Resources & Services Administration	NA	NA	NA	NA	NA	NA	NA	3.4	2.3	2.3	1.5
Health Svcs Administration	NA	NA	NA	NA	18.5	18.7	10.1	NA	NA	NA	NA
Human Development Svcs[10]	NA	NA	NA	NA	42.2	30.1	33.8	18.5	16.6	13.8	18.5
Nat'l Institutes of Health[11]	NA	NA	NA	NA	423.0	394.4	384.9	308.7	311.0	347.0	399.6
Office of the Assistant Secretary for Health[12]	NA	NA	NA	NA	4.7	4.2	4.3	2.2	0	0	1.7
Office of the Secretary	NA	NA	NA	NA	.0	.0	.0	.3	0	.4	.2
Dept of Housing & Urban Dvlpmt	28.5	30.6	19.4	39.2	44.1	36.4	31.4	18.5	20.8	11.9	12.0
Dept of the Interior, total	69.3	73.7	58.7	75.5	66.3	56.8	57.3	29.6	24.8	30.7	22.4
Bonneville Power Admin[8]	5.5	6.5	.0	.0	.0	.0	7.7	NA	NA	NA	NA
Bureau of Land Management	-	.1	.1	.2	.2	.3	.4	2.9	1.9	2.0	1.6
Bureau of Mines	54.7	58.0	49.6	57.0	41.9	30.6	28.7	13.6	9.2	11.6	3.3
Bureau of Reclamation	.5	.4	.6	.6	.8	1.2	.9	1.1	1.2	1.4	2.0
Geological Survey[13]	.0	.0	.0	.0	.5	.5	.5	.5	2.3	4.9	4.4
National Park Service[14]	.0	.0	.3	.0	.0	.0	.0	.0	.0	0	0
Office of the Secretary	.4	.0	.0	.0	.0	.0	.0	.0	.0	0	0
Off of Water Rsch & Tech[13]	4.0	5.1	2.8	12.0	9.4	10.9	5.3	1.3	1.0	0	0
US Fish & Wildlife Service[14]	4.1	3.7	5.4	5.7	13.5	13.4	13.7	10.3	9.2	10.8	11.1
Department of Justice, total	25.4	15.5	10.1	15.2	14.1	12.7	7.0	10.4	10.7	6.6	16.7
Bureau of Prisons[15]	.6	.8	1.0	2.9	2.9	1.3	.9	.7	.4	.4	.4
Drug Enforcement Admin	.6	2.0	2.1	1.4	1.7	1.9	.9	1.9	1.6	1.2	1.1
Fed Bureau of Investigation	1.2	1.2	1.4	1.8	3.1	1.4	.7	2.7	2.5	1.0	9.5
Immigration & Naturalization Service	-	.0	.1	.2	.1	.2	.1	.4	.3	.3	.2
Office of Justice Programs	23.0	11.5	5.4	8.3	6.3	7.5	4.4	4.6	5.8	3.8	5.5
Office of Legal Policy	.0	.0	.0	.6	-	.5	.1	-	.1	0	0
Department of Labor, total	10.1	10.5	10.8	72.1	94.9	101.6	4.0	8.3	1.9	0	.9
Bureau of Labor Statistics	1.1	.5	.5	.5	.0	.0	.0	.0	.0	0	0
Employment & Training Admin	8.3	10.0	10.4	71.7	94.9	101.6	3.6	7.4	1.1	0	0
Occupational Safety & Health Administration	.7	.0	.0	.0	.0	.0	.0	.0	0	0	0
Office of the Secretary	.0	.0	.0	.0	.0	.0	.0	.0	0	0	.9
Pension Benefit Guaranty Corporation	NA	NA	NA	NA	NA	NA	.4	.8	.8	0	0

See explanatory information, if any, and SOURCE at end of table.

Table C-99. Federal obligations for development, by selected agency: fiscal years 1975-85

[Dollars in millions]

Page 3 of 4

Selected agency	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985
Department of State, total[16]	5.4	14.2	23.1	36.1	0.5	0.3	0.2	0	0	0	0
Agcy for Internat'l Dvlpmt[17]	4.9	13.8	22.9	35.7	NA	NA	NA	NA	NA	NA	NA
Departmental funds	.5	.5	.2	.4	.5	.3	.2	0	0	0	0
Dept of Transportation, total	257.7	263.4	302.8	341.8	303.1	278.8	327.0	243.4	275.1	370.6	357.6
Coast Guard	11.6	9.8	16.4	21.4	10.2	9.9	11.3	18.3	18.4	12.2	13.6
Federal Aviation Admin	91.5	94.5	98.7	103.7	103.0	94.9	111.8	87.3	113.7	251.2	269.0
Federal Highway Admin	41.3	27.0	50.2	46.8	48.5	46.5	46.1	35.0	43.1	40.3	42.6
Federal Railroad Admin	29.7	41.8	35.3	44.7	36.7	38.3	30.4	15.1	13.7	6.9	3.6
Federal Transit Admin[18]	44.8	46.9	58.9	68.5	56.9	45.5	68.9	42.0	38.6	19.1	9.7
Maritime Administration[17]	NA	NA	NA	NA	NA	NA	4.7	4.5	8.8	1.3	5.9
National Highway Traffic Safety Administration	22.0	21.5	19.5	28.3	26.6	24.9	36.5	34.1	30.6	32.2	7.2
Office of the Secretary	16.9	21.9	23.8	27.6	11.1	10.2	9.4	3.0	4.6	4.0	3.9
Research & Special Programs Administration	NA	NA	.0	.8	10.0	8.5	7.9	4.0	3.6	3.5	2.2
Dept of the Treasury, total	1.3	2.3	2.7	5.8	4.8	6.3	6.1	5.2	5.4	3.3	6.0
Bureau of Alcohol, Tobacco, & Firearms	0	0	.7	1.6	1.9	1.2	.2	NA	NA	NA	NA
Bureau of Engraving & Printing	1.3	1.3	.8	1.8	1.5	1.0	1.8	2.0	1.9	1.3	1.6
Internal Revenue Svc[19]	.0	0	0	.6	.1	.1	-	.1	.1	.2	1.3
United States Customs Svc	.0	1.0	1.2	1.8	1.3	3.7	3.4	3.1	3.3	1.7	2.1
United States Mint	0	0	0	.0	.0	0	.0	0	0	.0	.6
United States Secret Svc[20]	NA	NA	NA	NA	NA	.4	.6	.0	-	.1	.5
Department of Veterans Affairs	7.7	12.6	14.7	14.6	15.6	15.5	16.7	14.3	15.3	18.4	17.5
Other agencies:											
Action	0	0	.4	1.4	1.6	0	.0	.0	0	0	0
Agcy for Internat'l Dvlpmt[17]	NA	NA	NA	NA	39.6	69.7	47.8	72.0	70.6	70.3	60.5
Appalachian Regional Commission	NA	0	.1	.1	.2	.2	.1	.1	.0	.1	.0
Civil Service Commission	2.9	2.9	2.8	NA	NA	NA	NA	NA	NA	NA	NA
Community Services Admin	22.9	10.2	23.0	22.3	18.9	29.1	16.4	NA	NA	NA	NA
Consumer Product Safety Comm	3.0	2.1	3.0	2.9	2.1	1.9	.3	.1	.2	.2	1.0
Energy Rsch & Dvlpmt Admin[9]	1,453.9	1,717.3	NA	NA	NA	NA	NA	NA	NA	NA	NA
Environmental Protection Agency	115.9	103.7	90.2	132.0	151.1	99.9	107.4	91.7	66.1	89.2	105.8
Federal Emergency Management Agency	NA	NA	NA	2.2	2.9	2.5	2.5	.0	.0	5.4	1.2
Federal Energy Administration	1.1	1.9	NA	NA	NA	NA	NA	NA	NA	NA	NA
General Services Admin[21]	.9	.7	.5	.5	.3	.1	.2	.5	.3	2.0	.0
Library of Congress	2.2	2.5	3.4	4.4	5.3	6.3	4.0	4.9	6.0	5.4	5.0
National Aeronautics & Space Administration	2,129.3	2,224.0	1,964.7	1,988.1	2,127.2	1,624.4	2,186.0	1,670.7	1,116.8	1,112.7	1,543.6
National Archives & Records Administration[21]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	.3
National Science Foundation	25.0	13.5	8.7	5.3	7.9	8.1	6.1	2.2	0	0	.0

See explanatory information, if any, and SOURCE at end of table.

Table C-99. Federal obligations for development, by selected agency: fiscal years 1975-85

[Dollars in millions]

Page 4 of 4

Selected agency	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985
Office of Personnel Management	NA	NA	NA	3.5	4.6	4.2	5.0	0	.0	.0	.0
Office of Telecomm Policy	1.7	2.7	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tennessee Valley Authority	1.9	2.2	3.6	18.0	21.9	64.3	54.7	72.3	50.7	53.8	65.1
United States Arms Control & Disarmament Agency[22]	-	-	.4	1.2	8	.8	8	.6	1	.2	.0
US Information Agency[23]	0	-	-	-	-	-	.3	1	.0	.0	.0

[1] Fiscal year 1979 was the first year in which Congress appropriated funds to the Agricultural Marketing Service. Data reported for the Agricultural Marketing Service include funds for the Office of Transportation beginning in 1989.

[2] The Human Nutrition Information Service merged with the Agricultural Research Service on February 20, 1994.

[3] Includes the former Agriculture Research Service of the Science and Education Administration for fiscal years 1978-80.

[4] Includes programs of the Economic Research Service, the Statistical Reporting Service, and the Farmer Cooperative Service for fiscal years 1977-79.

[5] Name changed from Federal Grain Inspection Service on October 20, 1994.

[6] The Office of International Cooperation and Development became part of the Foreign Agricultural Service (FAS) in June of 1994. Data reported for FAS include funds appropriated to International Cooperation and Development programs within FAS as of fiscal year 1994.

[7] In 1981 the Maritime Administration moved from the Department of Commerce to the Department of Transportation.

[8] In fiscal year 1982 the Bonneville Power Administration became part of the Department of Energy.

[9] In 1977 the Energy Research and Development Administration became part of the Department of Energy.

[10] In fiscal year 1991 Human Development Services was replaced by the Administration for Children and Families and by the Administration on Aging. Beginning in fiscal year 1992, data shown for the Administration for Children and Families are separate from obligations for the Administration on Aging. Obligations reported for the Administration for Children and Families may be incomplete for fiscal year 1992 due to unavailability of data.

[11] Fiscal year 1992 figures include obligations from the Alcohol, Drug Abuse, and Mental Health Administration. Due to reorganization within the Department of Health and Human Services, the Alcohol, Drug Abuse, and Mental Health Administration ceased to exist as of October 1992, and its research and development functions are reported with the National Institutes of Health data beginning with Vol. 42.

[12] In fiscal year 1991 the Agency for Health Care Policy and Research became separate from the Office of the Assistant Secretary for Health.

[13] As of 1985 the Office of Water Research and Technology has been combined with the Geological Survey.

[14] The National Biological Service's name changed from the National Biological Survey on January 5, 1995. As of fiscal year 1994, the National Biological Service performs all biological research activities formerly funded by the US Fish & Wildlife Service and the National Park Service.

[15] The Bureau of Prisons was formerly listed as Federal Prison System.

[16] Increases in outlays and obligations reported by the Department of State during the Vol. 44 survey cycle reflect reporting of monies received through interagency agreements from the Agency for International Development. The Department of State transfers these outlays and obligations to other R&D performers.

[17] Agency for International Development (AID) became separate from the Department of State in 1979. AID includes programs of the International Development Cooperative Agency for fiscal years 1979-81.

[18] Name changed from Urban Mass Transit Administration on December 18, 1991.

[19] Due to the reorganization of the Internal Revenue Service and subsequent unavailability of data, fiscal year 1992 figures are taken from estimates made in the Vol. 41 submission. Large changes in obligations reported by this agency for Vol. 44 are due to the shifts in research funding.

[20] Formerly listed as Office of Protective Research.

[21] As of 1985 the National Archives and Records Administration is separate from the General Services Administration.

[22] Fiscal year 1994 figures are estimates based on the Vol. 43 submission.

[23] Data reported for the US Information Agency include funds for the former International Communication Agency for fiscal years 1977-81.

NOTES: Because of rounding, detail may not add to totals.

Data for only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal Funds Survey, refer to appendix A.

Beginning with this volume, Department of Defense development obligations are reported in two categories: advanced technology and major systems.

KEY:
- = Amount less than 50 thousand dollars
NA = Not applicable (indicates that the agency or agency subdivision did not exist as such or in that organization in that year)

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1994, 1995, and 1996

Table C-99a. Federal obligations for development, by selected agency: fiscal years 1986-96

[Dollars in millions]

Page 1 of 4

Selected agency	1986	1987	1988	1989	1990	1991	1992	1993	1994	Estimates	
										1995	1996
Total, all agencies	34,910.2	37,313.2	38,119.3	40,641.0	41,937.1	37,326.8	41,102.0	40,423.5	39,815.4	42,290.0	40,571.5
Departments:											
Dept of Agriculture, total	32.1	29.0	31.4	36.1	47.1	61.2	66.1	76.1	77.4	79.2	79.0
Agricultural Marketing Svc[1]	3	3	3	3	4	5	6	6	6	.6	.6
Agricultural Rsch Svc[2] [3]	27.4	24.0	26.3	31.4	33.3	40.2	43.9	52.8	54.3	54.7	54.5
Animal & Plant Health Inspection Service	.0	.0	0	0	8.0	15.7	16.7	17.1	19.2	19.1	18.9
Grain Inspection Packers & Stockyards Administration[4]	.3	.5	4	3	4	1	0	0	0	.0	.0
Forest Service	3.6	3.8	4.0	3.9	4.8	4.5	4.9	5.5	3.3	4.8	4.9
Office of International Cooperation & Dvlpmt[5]	.3	.3	2	1	2	2	0	0	NA	NA	NA
Office of Transportation[1]	.1	.1	.1	NA	NA	NA	NA	NA	NA	NA	NA
Department of Commerce, total	59.7	63.7	46.6	46.9	61.2	39.9	55.3	74.2	107.8	358.5	308.8
Bureau of the Census	2.1	1.9	1.9	2.0	2.0	1.9	2.0	2.1	2.0	2.1	2.3
Economic Development Admin	8.0	.0	.0	0	0	0	0	0	.0	.0	.0
National Institute of Standards & Technology	11.6	9.3	9.1	10.0	10.5	15.6	29.6	34.3	45.9	309.4	258.8
National Oceanic & Atmospheric Administration	37.2	51.7	34.8	34.1	47.7	22.4	23.7	37.8	59.9	47.0	47.7
National Telecommunications & Information Administration	.8	.8	.8	9	9	0	0	0	0	0	.0
Department of Defense, total	29,710.7	31,884.0	32,009.7	33,920.8	33,738.9	28,416.9	32,056.1	31,065.7	30,303.8	30,972.5	29,561.0
Department of the Army	3,982.1	4,109.6	4,052.3	4,835.9	4,903.6	5,221.0	5,921.5	5,190.5	4,721.5	4,693.0	3,863.6
Department of the Navy	8,865.9	8,721.1	8,766.2	8,882.9	8,778.6	6,932.0	7,138.0	8,106.8	8,081.9	8,323.2	7,539.1
Department of the Air Force	12,834.8	14,562.9	14,094.2	14,430.0	14,055.1	10,107.1	12,636.6	11,747.5	11,713.1	11,871.4	12,369.0
Defense agencies	3,910.7	4,353.5	4,868.4	5,616.8	5,780.2	5,919.4	6,114.4	5,766.0	5,544.3	5,838.7	5,513.7
Operational Test & Evaluation, Director	.0	8.4	68.2	14.4	32.6	13.6	12.4	12.3	11.2	19.1	22.7
Test & Evaluation, Deputy Under Secretary Defense	117.1	128.5	160.3	140.7	188.7	223.7	233.2	242.5	231.8	227.0	253.0
Department of Education	25.5	25.6	29.7	37.2	39.7	39.4	41.5	44.1	39.9	51.5	40.3
Department of Energy[6] [7]	2,648.0	2,659.4	2,801.0	2,760.9	3,060.1	2,709.5	2,759.7	2,821.9	2,765.5	2,907.1	3,284.5

See explanatory information, if any, and SOURCE at end of table.

Table C-99a. Federal obligations for development, by selected agency: fiscal years 1986-96

[Dollars in millions]

Page 2 of 4

Selected agency	1986	1987	1988	1989	1990	1991	1992	1993	1994	Estimates	
										1995	1996
Department of Health & Human Services, total	468.0	584.3	661.1	814.4	938.5	1,593.5	1,042.3	1,156.6	1,285.1	1,337.0	1,408.6
Administration on Aging[8]	NA	NA	NA	NA	NA	17.7	17.8	18.2	15.6	17.7	16.2
Administration for Children & Families[8]	NA	NA	NA	NA	.0	115.5	4.8	1.4	9	9	.9
Agency for Health Care Policy & Research[9]	NA	NA	NA	NA	5.5	8.1	8.5	9.2	12.4	13.0	15.5
Alcohol, Drug Abuse, & Mental Health Administration	1.2	2.2	2.4	3.0	41.5	537.6	NA	NA	NA	NA	NA
Health Resources & Services Administration	0	.0	.0	.0	.0	.0	.0	.0	5.8	5.9	5.9
Human Development Svcs[8]	47.8	43.6	46.8	93.2	87.7	NA	NA	NA	NA	NA	NA
Nat'l Institutes of Health[10]	417.5	536.2	610.2	716.5	800.7	912.5	1,010.5	1,126.6	1,249.6	1,298.7	1,369.4
Office of the Assistant Secretary for Health[9]	1.5	2.3	1.6	1.7	1.1	.4	.7	1.2	8	8	8
Social Security Admin[11]	0	0	.0	0	2.1	1.7	.0	0	.0	.0	NA
Dept of Housing & Urban Dvlpmt	10.1	10.8	12.1	11.9	12.7	18.4	16.3	15.5	25.9	27.3	27.2
Dept of the Interior, total	17.3	21.7	24.3	27.1	33.3	39.5	38.6	39.0	43.9	45.3	43.3
Bureau of Land Management	1.3	1.6	1.5	1.0	.7	2.8	.4	9	0	.0	.0
Bureau of Mines	2.8	3.6	5.2	5.4	9.4	7.1	4.2	6.9	12.5	15.0	12.8
Bureau of Reclamation	.5	5	.7	6	.5	.9	2.5	2.8	1.8	1.9	1.9
Geological Survey[12]	7.4	10.3	10.9	12.9	15.1	18.2	16.9	12.8	15.7	14.0	14.0
National Biological Svc[13]	NA	NA	NA	NA	NA	NA	NA	0	13.8	14.4	14.6
Office of the Secretary	.0	0	.3	.4	.2	.5	.7	[illegible]	.1	-	-
US Fish & Wildlife Service[13]	5.3	5.7	5.7	6.7	7.4	10.0	13.9	15.3	NA	NA	NA
Department of Justice, total	14.1	22.5	25.7	20.6	20.6	27.8	27.7	23.3	19.2	23.5	24.1
Bureau of Prisons[14]	.3	4.9	3.9	3.0	2.7	3.3	3.4	3.6	3.3	3.4	3.4
Drug Enforcement Admin	1.7	1.5	1.9	2.2	2.0	1.8	1.3	.8	.8	.8	.8
Fed Bureau of Investigation	7.2	8.0	12.7	7.7	8.2	10.8	10.9	11.3	7.0	10.5	10.5
Immigration & Naturalization Service	.2	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0
Office of Justice Programs	4.7	7.9	7.1	7.8	7.7	11.9	12.1	7.5	8.1	8.8	9.4
Department of Labor, total	.9	1.2	8.9	13.3	51.4	19.7	27.9	36.1	40.1	36.5	31.9
Employment & Training Admin	.0	.3	8.0	9.7	47.4	15.5	26.1	32.5	36.9	32.9	27.7
Office of the Secretary	.9	.9	.9	3.6	3.8	4.0	1.7	3.0	2.2	2.9	3.7
Pension Benefit Guaranty Corporation	.0	.0	.0	.0	.2	.2	.1	.6	1.0	.7	.5

See explanatory information, if any, and SOURCE at end of table.

Table C-99a. Federal obligations for development, by selected agency: fiscal years 1986-96

[Dollars in millions]

Page 3 of 4

Selected agency	1986	1987	1988	1989	1990	1991	1992	1993	1994	Estimates	
										1995	1996
Dept of Transportation, total	317.3	256.2	213.4	182.9	247.4	265.3	288.1	319.3	347.4	404.1	396.9
Coast Guard	13.4	13.3	15.7	13.3	15.2	19.2	15.0	24.7	16.7	16.2	16.5
Federal Aviation Admin	246.6	156.2	147.3	123.2	189.9	196.2	206.1	189.1	206.1	208.5	209.8
Federal Highway Admin	30.8	56.0	30.4	34.4	33.8	40.8	57.0	83.1	101.5	148.5	0
Federal Railroad Admin	2.9	.8	1.8	1.5	1.7	2.7	3.9	4.3	3.4	12.4	23.8
Federal Transit Admin[15]	8.2	12.6	2.3	1.4	1.6	1.7	1.7	13.3	12.1	9.3	0
Infrastructure Investment[16]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	134.1
Maritime Administration[17]	2.6	2.5	0	0	.0	.0	.0	0	0	.0	0
National Highway Traffic Safety Administration	6.3	9.0	9.2	3.5	.0	.0	.0	0	0	.0	0
Office of the Secretary	4.7	4.1	5.0	4.2	5.1	3.7	3.4	3.9	4.9	3.4	4.2
Research & Special Programs Administration	1.7	1.8	1.7	1.3	.0	1.0	1.1	.8	2.7	5.8	8.5
Dept of the Treasury, total	6.3	9.5	10.2	9.3	6.9	6.7	3.8	5.5	9.8	14.9	14.9
Bureau of Engraving & Printing	1.1	1.7	.8	.3	.7	.8	.2	0	.1	.3	.4
Financial Crimes Enforcement Network	.0	0	.0	.0	.0	2.3	1.2	1.5	0	.0	.0
Internal Revenue Svc[18]	.2	.4	.7	.3	.3	.4	.4	0	5.2	6.4	6.4
United States Customs Svc	4.6	6.8	8.5	6.4	5.8	3.2	2.0	3.9	4.0	7.8	8.2
United States Mint	.3	.2	.1	2.0	.1	.1	.0	.1	.5	.5	.0
United States Secret Svc[19]	-	.3	.0	.2	.0	.0	.0	0	.0	.0	.0
Department of Veterans Affairs	16.3	19.2	19.2	21.0	22.1	22.8	23.0	28.7	24.5	26.5	26.5
Other agencies:											
Agcy for Internat'l Dvlpmt[20]	66.2	63.5	69.3	60.0	29.3	20.4	65.9	23.0	38.1	56.9	30.0
Consumer Product Safety Comm	.9	1.6	.9	.8	.7	.4	.3	.4	.2	.3	.3
Environmental Protection Agency	99.5	71.0	79.5	107.0	104.5	79.5	79.6	133.7	151.2	170.7	185.0
General Services Admin[21]	.3	.0	.0	.0	.0	.0	.0	0	.0	.0	.0
Library of Congress	5.0	5.0	5.5	6.4	7.0	7.3	8.5	8.7	8.1	7.8	7.8
National Aeronautics & Space Administration	1,350.8	1,517.8	1,998.8	2,514.7	3,472.6	3,909.1	4,428.3	4,471.1	4,455.7	5,703.8	5,029.3
National Archives & Records Administration[21]	1.0	.4	.2	.1	.1	.1	.1	-	.0	.0	.0

See explanatory information, if any, and SOURCE at end of table.

Table C-99a. Federal obligations for development, by selected agency: fiscal years 1986-96

[Dollars in millions]

Page 4 of 4

Selected agency	1986	1987	1988	1989	1990	1991	1992	1993	1994	Estimates	
										1995	1996
Tennessee Valley Authority	59.8	60.2	68.8	48.0	43.2	49.5	72.9	80.6	71.9	66.7	72.2
United States Arms Control & Disarmament Agency[22]	1	3.2	2.6	1.6	.0	0	0	.0	.0	.0	.0
US Information Agency[23]	4	3.5	.3	.1	.0	0	0	.0	.0	.0	.0

[1] Fiscal year 1979 was the first year in which Congress appropriated funds to the Agricultural Marketing Service. Data reported for the Agricultural Marketing Service include funds for the Office of Transportation beginning in 1989.

[2] The Human Nutrition Information Service merged with the Agricultural Research Service on February 20, 1994.

[3] Includes the former Agriculture Research Service of the Science and Education Administration for fiscal years 1978-80

[4] Name changed from Federal Grain Inspection Service on October 20, 1994

[5] The Office of International Cooperation and Development became part of the Foreign Agricultural Service (FAS) in June of 1994. Data reported for FAS include funds appropriated to International Cooperation and Development programs within FAS as of fiscal year 1994.

[6] In fiscal year 1982 the Bonneville Power Administration became part of the Department of Energy

[7] In 1977 the Energy Research and Development Administration became part of the Department of Energy.

[8] In fiscal year 1991 Human Development Services was replaced by the Administration for Children and Families and by the Administration on Aging. Beginning in fiscal year 1992, data shown for the Administration for Children and Families are separate from obligations for the Administration on Aging. Obligations reported for the Administration for Children and Families may be incomplete for fiscal year 1992 due to unavailability of data.

[9] In fiscal year 1991 the Agency for Health Care Policy and Research became separate from the Office of the Assistant Secretary for Health.

[10] Fiscal year 1992 figures include obligations from the Alcohol, Drug Abuse, and Mental Health Administration. Due to reorganization within the Department of Health and Human Services, the Alcohol, Drug Abuse, and Mental Health Administration ceased to exist as of October 1992, and its research and development functions are reported with the National Institutes of Health data beginning with Vol. 42.

[11] As of March 31, 1995, the Social Security Administration became an independent agency; it is no longer part of the Department of Health & Human Services.

[12] As of 1985 the Office of Water Research and Technology has been combined with the Geological Survey.

[13] The National Biological Service's name changed from the National Biological Survey on January 5, 1995. As of fiscal year 1994, the National Biological Service performs all biological research activities formerly funded by the US Fish & Wildlife Service and the National Park Service.

[14] The Bureau of Prisons was formerly listed as Federal Prison System.

[15] Name changed from Urban Mass Transit Administration on December 18, 1991

[16] Monies estimated for fiscal year 1996 by Infrastructure Investment represent a proposed consolidation of several agencies within the Department of Transportation.

[17] In 1981 the Maritime Administration moved from the Department of Commerce to the Department of Transportation.

[18] Due to the reorganization of the Internal Revenue Service and subsequent unavailability of data, fiscal year 1992 figures are taken from estimates made in the Vol. 41 submission. Large changes in obligations reported by this agency for Vol. 44 are due to the shifts in research funding.

[19] Formerly listed as Office of Protective Research

[20] Agency for International Development (AID) became separate from the Department of State in 1979. AID includes programs of the International Development Cooperative Agency for fiscal years 1979-81.

[21] As of 1985 the National Archives and Records Administration is separate from the General Services Administration.

[22] Fiscal year 1994 figures are estimates based on the Vol. 43 submission.

[23] Data reported for the US Information Agency include funds for the former International Communication Agency for fiscal years 1977-81.

NOTES: Because of rounding, detail may not add to totals.

Data for only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal Funds Survey, refer to appendix A.

Beginning with this volume, Department of Defense development obligations are reported in two categories: advanced technology and major systems.

KEY:
– = Amount less than 50 thousand dollars
NA = Not applicable (indicates that the agency or agency subdivision did not exist as such or in that organization in that year)

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1994, 1995, and 1996

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Table C-100. Federal obligations for research and development, by performer: fiscal years 1975-85

[Dollars in millions]

Page 1 of 1

Performer	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985
Total	19,038.8	20,779.7	23,450.4	25,845.1	28,145.1	29,830.4	33,103.9	36,432.6	38,711.5	42,224.9	48,359.6
Intramural[1]	5,354.0	5,768.7	6,011.7	6,810.4	7,417.5	7,632.3	8,425.7	9,141.0	10,581.9	11,572.3	12,945.4
Industrial firms excluding FFRDCs	8,423.2	9,340.3	10,717.2	11,400.0	12,172.4	12,969.1	14,867.9	17,192.2	17,019.7	18,610.4	21,704.9
FFRDCs administered by industrial firms	703.7	813.8	1,112.7	1,242.5	1,318.1	1,408.1	1,413.9	1,506.4	1,501.2	1,608.4	1,790.8
Universities & colleges excluding FFRDCs	2,411.4	2,551.8	2,905.5	3,374.6	3,888.8	4,263.4	4,465.8	4,605.5	4,966.4	5,546.9	6,339.7
FFRDCs administered by universities[2]	935.1	1,061.1	1,313.1	1,311.9	1,488.3	1,533.3	1,791.0	1,976.7	2,393.9	2,485.8	2,816.4
Nonprofit institutions excluding FFRDCs	702.3	708.6	800.0	998.2	1,026.5	1,105.6	1,068.8	1,091.7	1,241.6	1,497.3	1,699.2
FFRDCs administered by nonprofit institutions[2]	219.9	231.0	263.9	315.9	368.7	441.8	525.2	520.6	581.3	597.1	689.2
State and local governments	227.6	231.2	238.0	268.4	310.1	265.5	222.2	184.3	186.0	130.9	129.4
Foreign	61.6	73.1	88.2	123.2	154.7	211.2	323.4	214.3	239.5	175.8	244.5

[1] Intramural activities cover costs associated with the administration of intramural and extramural programs by Federal personnel as well as actual intramural performance

[2] In 1984 the Center for Naval Analyses was reclassified from an FFRDC administered by a university to an FFRDC administered by a nonprofit institution.

NOTE: Because of rounding, detail may not add to totals.

KEY: FFRDCs = Federally funded research and development centers

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1994, 1995, and 1996

Table C-100a. Federal obligations for research and development, by performer: fiscal years 1986-96

[Dollars in millions]

Page 1 of 1

Performer	1986	1987	1988	1989	1990	1991	1992	1993	1994	Estimates	
										1995	1996
Total	51,412.4	55,253.7	56,769.4	61,406.5	63,559.5	61,295.2	65,592.6	67,314.0	67,255.8	70,093.9	68,842.4
Intramural[1]	13,534.9	13,413.1	14,114.6	15,024.6	15,848.9	15,138.2	15,582.8	16,663.3	16,139.1	16,962.3	16,287.3
Industrial firms excluding FFRDCs	24,201.2	26,768.2	26,719.2	28,547.9	29,370.0	26,420.6	29,744.8	30,219.0	30,454.4	31,771.1	31,159.8
FFRDCs administered by industrial firms	1,697.0	1,860.0	1,911.3	2,056.3	2,326.8	2,168.3	2,117.0	1,451.3	1,293.5	1,192.3	1,287.3
Universities & colleges excluding FFRDCs	6,558.8	7,337.3	7,827.7	8,672.0	9,137.5	10,168.5	10,271.2	11,208.4	11,828.7	12,103.1	12,177.6
FFRDCs administered by universities[2]	2,767.7	3,209.6	3,473.9	3,497.1	3,449.8	3,603.8	3,855.5	3,614.2	3,292.9	3,479.7	3,514.7
Nonprofit institutions excluding FFRDCs	1,677.0	1,711.4	1,683.2	1,999.9	2,248.2	2,637.4	2,803.6	2,811.9	2,929.7	3,068.6	2,916.2
FFRDCs administered by nonprofit institutions[2]	551.2	510.6	505.6	522.0	621.6	679.4	745.6	753.4	735.5	777.8	792.2
State and local governments	128.4	148.2	142.1	167.4	213.9	215.1	184.1	320.3	325.4	446.9	456.4
Foreign	296.3	295.3	391.8	919.4	342.6	263.9	287.9	272.2	256.6	292.0	250.9

[1] Intramural activities cover costs associated with the administration of intramural and extramural programs by Federal personnel as well as actual intramural performance

[2] In 1984 the Center for Naval Analyses was reclassified from an FFRDC administered by a university to an FFRDC administered by a nonprofit institution.

NOTE: Because of rounding, detail may not add to totals.

KEY: FFRDCs = Federally funded research and development centers

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development. Fiscal Years 1994, 1995, and 1996

Table C-101. Federal obligations for research, by performer: fiscal years 1975-85

[Dollars in millions]

Page 1 of 1

Performer	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985
Total	6,729.7	7,619.3	8,514.1	9,606.8	10,535.0	11,597.4	12,212.8	13,022.2	14,253.5	14,978.8	16,133.4
Intramural[1]	2,463.8	2,879.2	2,957.7	3,220.8	3,481.2	3,666.3	4,034.2	4,194.2	4,710.3	4,764.7	5,056.1
Industrial firms excluding FFRDCs	1,010.2	1,103.0	1,367.3	1,651.4	1,762.0	2,077.6	1,958.3	2,156.6	2,114.2	2,137.4	2,074.4
FFRDCs administered by industrial firms	135.7	176.5	192.2	235.2	245.0	311.0	351.3	487.3	522.6	496.5	485.9
Universities & colleges excluding FFRDCs	2,078.8	2,249.7	2,583.5	2,928.0	3,333.4	3,699.1	3,920.1	4,045.4	4,467.9	5,029.7	5,726.3
FFRDCs administered by universities[2]	425.5	548.3	670.3	714.9	800.6	851.2	940.6	1,056.7	1,250.1	1,335.9	1,421.3
Nonprofit institutions excluding FFRDCs	394.7	435.4	512.2	590.9	622.6	678.4	705.2	743.5	836.9	922.6	1,045.1
FFRDCs administered by nonprofit institutions[2]	64.8	57.5	55.6	66.9	73.4	71.7	67.7	104.2	85.2	87.3	97.0
State and local governments	111.9	119.4	115.2	128.8	139.5	150.9	129.3	125.9	136.7	88.2	89.5
Foreign	44.3	50.4	60.3	69.9	77.4	91.1	106.0	108.3	129.6	116.5	137.9

[1] Intramural activities cover costs associated with the administration of intramural and extramural programs by Federal personnel as well as actual intramural performance

[2] In 1984 the Center for Naval Analyses was reclassified from an FFRDC administered by a university to an FFRDC administered by a nonprofit institution.

NOTE: Because of rounding, detail may not add to totals.

KEY: FFRDCs = Federally funded research and development centers

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1994, 1995, and 1996

Table C-101a. Federal obligations for research, by performer: fiscal years 1986-96

[Dollars in millions]

Page 1 of 1

Performer	1986	1987	1988	1989	1990	1991	1992	1993	1994	Estimates	
										1995	1996
Total	16,502.2	17,940.5	18,650.1	20,765.5	21,622.4	23,968.4	24,490.6	26,890.5	27,440.4	27,803.9	28,270.9
Intramural [1]	5,160.3	5,437.7	5,338.4	5,897.0	5,809.8	6,454.4	6,523.3	7,451.8	7,488.2	7,427.5	7,417.2
Industrial firms excluding FFRDCs	2,280.5	2,448.6	2,642.5	2,875.0	3,191.6	3,406.5	3,451.2	3,923.8	4,063.5	4,062.6	4,193.9
FFRDCs administered by industrial firms	482.1	433.5	455.2	604.3	614.3	709.6	684.9	799.3	737.2	704.4	711.1
Universities & colleges excluding FFRDCs	5,883.4	6,640.2	7,022.9	7,793.1	8,136.5	8,867.5	9,060.7	9,892.3	10,323.5	10,657.0	10,932.5
FFRDCs administered by universities [2]	1,291.7	1,471.0	1,564.8	1,703.4	1,791.5	2,160.9	2,351.8	2,299.4	2,181.1	2,212.6	2,262.9
Nonprofit institutions excluding FFRDCs	1,062.9	1,207.5	1,300.0	1,519.8	1,660.0	1,925.9	2,049.6	2,041.3	2,094.9	2,113.5	2,132.1
FFRDCs administered by nonprofit institutions [2]	87.9	89.8	82.9	109.5	137.6	170.9	139.9	173.4	178.0	174.5	173.5
State and local governments	91.0	90.2	103.1	121.2	126.4	129.3	109.3	211.8	230.8	306.4	311.8
Foreign	162.4	121.9	140.4	142.1	154.5	143.4	120.0	97.4	143.3	145.4	136.0

[1] Intramural activities cover costs associated with the administration of intramural and extramural programs by Federal personnel as well as actual intramural performance.

[2] In 1984 the Center for Naval Analyses was reclassified from an FFRDC administered by a university to an FFRDC administered by a nonprofit institution.

NOTE: Because of rounding, detail may not add to totals.

KEY: FFRDCs = Federally funded research and development centers

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1994, 1995, and 1996

Table C-102. Federal obligations for basic research, by performer: fiscal years 1975-85

[Dollars in millions]

Page 1 of 1

Performer	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985
Total	2,588.4	2,767.5	3,258.6	3,698.6	4,192.7	4,674.2	5,041.3	5,481.6	6,260.1	7,067.4	7,818.7
Intramural[1]	733.5	786.0	914.1	1,029.3	1,089.1	1,182.5	1,301.8	1,465.5	1,689.8	1,861.1	1,923.4
Industrial firms excluding FFRDCs	118.5	131.1	208.1	247.7	277.1	325.3	292.9	270.9	292.9	377.9	380.1
FFRDCs administered by industrial firms	47.9	59.8	53.1	65.4	66.6	70.4	73.3	87.4	83.0	91.1	122.6
Universities & colleges excluding FFRDCs	1,260.6	1,341.7	1,555.1	1,759.2	2,079.9	2,320.3	2,503.2	2,727.1	3,112.3	3,530.8	4,038.7
FFRDCs administered by universities[2]	257.5	284.9	324.1	356.8	393.6	436.8	490.6	516.7	604.0	668.9	724.2
Nonprofit institutions excluding FFRDCs	128.2	126.5	162.5	192.8	240.3	279.5	313.1	355.6	409.6	473.6	555.8
FFRDCs administered by nonprofit institutions[2]	13.8	7.9	5.6	5.8	6.7	7.5	8.6	9.0	8.0	8.2	12.4
State and local governments	14.0	12.9	15.6	17.1	19.8	23.9	26.5	24.5	32.1	28.1	30.5
Foreign	14.3	16.6	20.4	24.6	19.5	28.1	31.2	24.9	28.5	27.7	30.9

[1] Intramural activities cover costs associated with the administration of intramural and extramural programs by Federal personnel as well as actual intramural performance.

[2] In 1984 the Center for Naval Analyses was reclassified from an FFRDC administered by a university to an FFRDC administered by a nonprofit institution.

NOTE: Because of rounding, detail may not add to totals.

KEY: FFRDCs = Federally funded research and development centers

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1994, 1995, and 1996

Table C-102a. Federal obligations for basic research, by performer: fiscal years 1986-96

[Dollars in millions]

Page 1 of 1

Performer	1986	1987	1988	1989	1990	1991	1992	1993	1994	Estimates	
										1995	1996
Total	8,153.1	8,942.4	9,473.6	10,602.0	11,285.6	12,170.8	12,489.9	13,399.1	13,552.9	13,569.1	14,037.4
Intramural[1]	2,018.9	2,046.2	2,050.3	2,313.4	2,294.6	2,391.6	2,337.6	2,661.8	2,505.0	2,468.0	2,505.8
Industrial firms excluding FFRDCs	511.6	467.0	596.9	773.2	887.5	949.9	920.3	896.3	1,109.1	891.5	983.1
FFRDCs administered by industrial firms	117.6	119.9	133.0	223.9	246.8	264.0	247.2	243.6	237.6	251.2	255.0
Universities & colleges excluding FFRDCs	4,132.1	4,665.6	4,868.3	5,221.4	5,548.2	6,064.5	6,331.8	6,833.7	7,024.2	7,224.5	7,477.4
FFRDCs administered by universities[2]	724.1	906.7	989.8	1,098.1	1,227.3	1,306.2	1,394.1	1,402.7	1,336.0	1,359.8	1,394.0
Nonprofit institutions excluding FFRDCs	572.1	657.7	728.6	838.9	924.1	1,015.5	1,097.2	1,164.9	1,125.7	1,116.3	1,153.1
FFRDCs administered by nonprofit institutions[2]	13.0	13.3	17.7	42.2	59.2	80.8	65.5	71.3	73.9	79.6	82.5
State and local governments	30.9	37.5	42.7	43.6	50.4	49.1	42.4	71.7	75.2	111.8	120.5
Foreign	32.7	28.5	46.3	47.4	47.6	49.1	53.8	53.3	66.1	66.4	65.9

[1] Intramural activities cover costs associated with the administration of intramural and extramural programs by Federal personnel as well as actual intramural performance

[2] In 1984 the Center for Naval Analyses was reclassified from an FFRDC administered by a university to an FFRDC administered by a nonprofit institution

NOTE: Because of rounding, detail may not add to totals.

KEY: FFRDCs = Federally funded research and development centers

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1994, 1995, and 1996

Table C-103. Federal obligations for applied research, by performer: fiscal years 1975-85

[Dollars in millions]

Page 1 of 1

Performer	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985
Total	4,141.3	4,851.9	5,255.5	5,908.2	6,342.3	6,923.2	7,171.5	7,540.6	7,993.4	7,911.4	8,314.7
Intramural[1]	1,730.3	2,093.1	2,043.6	2,191.5	2,392.1	2,483.8	2,732.4	2,728.7	3,020.4	2,903.6	3,132.7
Industrial firms excluding FFRDCs	891.7	971.9	1,159.1	1,403.7	1,484.9	1,752.3	1,665.4	1,885.7	1,821.3	1,759.5	1,694.3
FFRDCs administered by industrial firms	87.8	116.7	139.1	169.8	178.3	240.7	278.1	400.0	439.7	405.4	363.3
Universities & colleges excluding FFRDCs	818.2	908.0	1,028.4	1,168.8	1,253.5	1,378.8	1,416.9	1,318.3	1,355.6	1,498.9	1,687.6
FFRDCs administered by universities[2]	168.0	263.4	346.2	358.1	407.0	414.3	450.0	540.0	646.1	667.0	697.1
Nonprofit institutions excluding FFRDCs	266.4	308.9	349.6	398.1	382.3	398.9	392.1	387.9	427.3	449.0	489.3
FFRDCs administered by nonprofit institutions[2]	51.0	49.6	49.9	61.2	66.7	64.2	59.1	95.2	77.1	79.1	84.6
State and local governments	97.9	106.5	99.6	111.8	119.7	127.1	102.8	101.4	104.7	60.0	58.9
Foreign	30.0	33.8	39.9	45.3	57.9	63.0	74.8	83.4	101.1	88.8	107.0

[1] Intramural activities cover costs associated with the administration of intramural and extramural programs by Federal personnel as well as actual intramural performance

[2] In 1984 the Center for Naval Analyses was reclassified from an FFRDC administered by a university to an FFRDC administered by a nonprofit institution.

NOTE: Because of rounding, detail may not add to totals.

KEY: FFRDCs = Federally funded research and development centers

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1994, 1995, and 1996

Table C-103a. Federal obligations for applied research, by performer: fiscal years 1986-96

[Dollars in millions]

Page 1 of 1

Performer	1986	1987	1988	1989	1990	1991	1992	1993	1994	Estimates	
										1995	1996
Total	8,349.1	8,998.1	9,176.5	10,163.5	10,336.8	11,797.6	12,000.7	13,491.4	13,887.5	14,234.8	14,233.5
Intramural[1]	3,141.5	3,301.5	3,288.1	3,583.5	3,515.2	4,062.8	4,185.7	4,790.0	4,983.2	4,959.5	4,911.3
Industrial firms excluding FFRDCs	1,768.8	1,981.6	2,045.6	2,101.8	2,304.2	2,456.6	2,530.9	3,027.5	2,954.4	3,171.0	3,210.8
FFRDCs administered by industrial firms	364.5	313.6	322.2	380.5	367.5	445.6	437.6	555.6	499.6	453.2	456.1
Universities & colleges excluding FFRDCs	1,751.4	1,974.6	2,154.6	2,571.8	2,588.4	2,803.0	2,728.9	3,058.6	3,299.3	3,432.6	3,455.0
FFRDCs administered by universities[2]	567.6	564.3	575.0	605.4	564.3	854.7	957.6	896.8	845.1	852.7	868.9
Nonprofit institutions excluding FFRDCs	490.8	549.8	571.3	681.0	735.9	910.4	952.5	876.4	969.2	997.2	979.0
FFRDCs administered by nonprofit institutions[2]	74.9	76.5	65.2	67.3	78.4	90.1	74.5	102.2	104.0	94.8	91.0
State and local governments	60.0	52.7	60.4	77.6	76.1	80.2	66.9	140.1	155.5	194.6	191.3
Foreign	129.7	93.4	94.1	94.6	106.9	94.3	66.2	44.1	77.2	79.0	70.1

[1] Intramural activities cover costs associated with the administration of intramural and extramural programs by Federal personnel as well as actual intramural performance.

[2] In 1984 the Center for Naval Analyses was reclassified from an FFRDC administered by a university to an FFRDC administered by a nonprofit institution.

NOTE: Because of rounding, detail may not add to totals.

KEY: FFRDCs = Federally funded research and development centers

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1994, 1995, and 1996

Table C-104. Federal obligations for development, by performer: fiscal years 1975-85

[Dollars in millions]

Page 1 of 1

Performer	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985
Total	12,309.1	13,160.3	14,936.3	16,238.4	17,610.1	18,233.1	20,891.1	23,410.4	24,458.0	27,246.1	32,226.1
Intramural[1]	2,890.2	2,889.6	3,054.0	3,599.7	3,936.3	3,966.1	4,391.5	4,946.8	5,871.7	6,807.6	7,889.3
Industrial firms excluding FFRDCs	7,413.0	8,237.3	9,350.0	9,748.6	10,410.5	10,891.5	12,909.6	15,035.6	14,905.5	16,472.9	19,630.5
FFRDCs administered by industrial firms	568.0	637.3	920.6	1,007.3	1,073.1	1,097.0	1,062.6	1,019.1	978.5	1,112.0	1,304.9
Universities & colleges excluding FFRDCs	332.7	302.1	322.0	446.6	555.5	564.4	545.[illegible]	560.0	498.5	517.2	613.5
FFRDCs administered by universities[2]	509.6	512.8	642.8	587.1	687.7	682.2	850.4	920.0	1,143.8	1,149.9	1,395.1
Nonprofit institutions excluding FFRDCs	307.7	273.1	287.9	407.3	403.8	427.1	383.6	348.1	404.7	574.6	654.1
FFRDCs administered by nonprofit institutions[2]	155.1	173.5	208.3	249.0	295.4	370.1	457.5	416.4	496.1	509.8	592.2
State and local governments	115.7	111.8	122.9	139.6	170.7	114.6	92.9	58.4	49.3	42.8	39.9
Foreign	17.3	22.7	27.9	53.2	77.3	120.1	217.5	106.0	109.9	59.2	106.7

[1] Intramural activities cover costs associated with the administration of intramural and extramural programs by Federal personnel as well as actual intramural performance

[2] In 1984 the Center for Naval Analyses was reclassified from an FFRDC administered by a university to an FFRDC administered by a nonprofit institution

NOTE: Because of rounding, detail may not add to totals

KEY: FFRDCs = Federally funded research and development centers

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1994, 1995, and 1996

Table C-104a. Federal obligations for development, by performer: fiscal years 1986-96

[Dollars in millions]

Page 1 of 1

Performer	1986	1987	1988	1989	1990	1991	1992	1993	1994	Estimates	
										1995	1996
Total	34,910.2	37,313.2	38,119.3	40,641.0	41,937.1	37,326.8	41,102.0	40,423.5	39,815.4	42,290.0	40,571.5
Intramural[1]	8,374.6	7,975.3	8,776.2	9,127.6	10,039.1	8,683.8	9,059.6	9,211.6	8,650.9	9,534.9	8,870.2
Industrial firms excluding FFRDCs	21,920.7	24,319.6	24,076.7	25,672.9	26,178.4	23,014.1	26,293.6	26,295.2	26,390.9	27,708.6	26,965.9
FFRDCs administered by industrial firms	1,215.0	1,426.4	1,456.1	1,452.0	1,712.5	1,458.7	1,432.2	652.1	556.3	487.9	576.2
Universities & colleges excluding FFRDCs	675.4	697.0	804.8	878.8	1,001.0	1,301.0	1,210.6	1,316.1	1,505.2	1,446.1	1,245.1
FFRDCs administered by universities[2]	1,476.0	1,738.6	1,909.1	1,793.6	1,658.3	1,442.9	1,503.7	1,314.8	1,111.8	1,267.1	1,251.8
Nonprofit institutions excluding FFRDCs	614.1	503.9	383.2	480.0	588.2	711.5	753.9	770.6	834.8	955.1	784.1
FFRDCs administered by nonprofit institutions[2]	463.3	420.8	422.7	412.4	484.0	508.5	605.7	580.0	557.6	603.3	618.7
State and local governments	37.4	58.0	39.0	46.3	87.5	85.8	74.8	108.5	94.7	140.5	144.7
Foreign	133.9	173.4	251.4	777.3	188.1	120.5	167.9	174.8	113.3	146.6	114.9

[1] Intramural activities cover costs associated with the administration of intramural and extramural programs by Federal personnel as well as actual intramural performance.

[2] In 1984 the Center for Naval Analyses was reclassified from an FFRDC administered by a university to an FFRDC administered by a nonprofit institution.

NOTE: Because of rounding, detail may not add to totals.

KEY: FFRDCs = Federally funded research and development centers

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1994, 1995, and 1996

Table C-105. Federal obligations for total research, by detailed field of science and engineering: fiscal years 1975-85

[Dollars in millions]

Page 1 of 1

Field of science and engineering	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985
Total, all fields	6,729.7	7,619.3	8,514.1	9,606.8	10,535.0	11,597.4	12,212.8	13,02[illegible]	14,253.5	14,978.8	16,133.4
Life sciences, total	2,455.2	2,649.7	3,007.7	3,427.1	3,848.3	4,192.3	4,435.6	4,745.5	5,177.9	5,635.9	6,362.5
Biol & agricultural, total	1,452.2	1,535.8	1,777.6	2,024.0	2,320.3	2,507.6	2,711.8	2,811.8	3,064.4	3,325.0	3,755.3
Biol (excl environmental)	NA	NA	NA	1,488.5	1,702.2	1,830.6	1,996.[illegible]	2,079.3	2,305.5	2,563.1	2,885.7
Environmental biology	NA	NA	NA	184.9	216.6	229.7	220.3	183.5	193.6	250.0	260.3
Agricultural	NA	NA	NA	350.7	401.5	447.2	494.8	549.0	565.2	512.0	609.3
Medical sciences, total	951.1	1,042.9	1,138.8	1,287.4	1,380.6	1,536.9	1,609.9	1,773.0	1,927.5	2,112.8	2,368.5
Clinical medical	550.6	586.7	634.4	NA	NA	NA	NA	NA	NA	NA	NA
Other medical	400.5	456.3	504.4	NA	NA	NA	NA	NA	NA	NA	NA
Life sciences, n.e.c.	51.9	71.0	91.4	115.7	147.3	147.9	113.9	160.7	186.1	198.1	238.7
Psychology, total	139.2	144.0	156.2	176.7	197.4	199.0	208.9	218.4	240.9	266.7	327.1
Biological aspects	37.4	43.8	57.6	53.4	56.8	59.9	57.5	59.6	63.2	80.8	91.2
Social aspects	57.1	54.9	54.5	65.4	83.6	94.8	93.5	98.1	104.7	107.8	142.9
Psychological sci, n.e.c.	44.7	45.3	44.1	57.9	57.0	44.3	57.9	60.7	73.0	78.1	93.1
Physical sciences, total	1,096.6	1,258.9	1,530.2	1,645.6	1,792.6	2,000.6	2,220.5	2,500.4	2,891.4	2,969.0	3,046.0
Astronomy	168.3	163.1	197.3	21[illegible].5	284.4	285.7	281.0	275.8	357.4	382.3	414.7
Chemistry	285.6	328.4	370.7	405.0	443.6	454.5	486.9	481.2	520.3	606.4	650.4
Physics	595.0	709.3	866.3	942.4	1,022.7	1,182.5	1,345.6	1,610.5	1,854.6	1,836.4	1,816.0
Physical sciences, n.e.c.	47.8	58.1	95.9	84.6	41.8	77.9	107.0	132.9	159.2	143.9	164.8
Environmental sciences, total	727.3	769.3	906.0	1,024.6	1,101.0	1,261.0	1,121.1	1,148.3	1,251.2	1,275.9	1,403.7
Atmospheric sciences	302.2	289.3	318.4	319.2	348.7	409.5	373.4	425.8	460.7	434.1	486.0
Geological sciences	191.7	227.2	269.4	316.4	358.7	401.8	396.1	357.6	333.5	359.0	429.0
Oceanography	143.8	164.0	195.9	223.8	220.5	262.1	261.7	261.3	343.5	363.5	398.5
Environmental sci, n.e.c.	89.5	88.8	122.3	165.2	173.1	187.6	89.9	103.6	113.5	119.3	90.2
Math & computer sci, total	125.3	157.8	195.9	216.3	210.3	240.9	278.9	350.1	419.4	440.3	574.9
Mathematics	NA	69.9	96.4	93.4	84.2	90.9	117.7	128.1	133.5	151.0	183.6
Computer sciences	NA	73.6	89.4	107.3	106.3	128.6	121.5	170.9	214.6	214.5	280.3
Math & computer sci, n.e.c.	NA	14.3	10.1	15.7	19.9	21.4	39.7	51.0	71.4	74.8	111.0
Engineering, total	1,717.8	2,068.7	2,112.9	2,421.2	2,571.6	2,830.1	3,071.5	3,386.5	3,517.0	3,624.1	3,617.6
Aeronautical	345.1	526.8	408.8	482.9	624.9	708.1	709.6	741.2	820.6	860.4	738.0
Astronautical	99.1	179.4	159.0	165.1	251.1	302.3	303.9	290.7	321.5	396.8	424.7
Chemical	83.9	88.3	104.8	149.4	114.3	96.3	147.6	95.1	145.0	144.5	254.3
Civil	125.6	105.9	117.4	142.4	125.0	158.8	159.1	201.9	188.5	202.8	216.6
Electrical	287.0	297.7	382.7	432.6	417.9	517.1	556.7	612.2	614.9	630.0	626.8
Mechanical	162.5	185.7	199.2	234.1	195.9	208.0	204.6	201.2	266.4	190.5	267.0
Metallurgy & materials	221.8	274.9	293.8	286.0	249.3	236.2	256.0	309.1	332.5	341.1	439.2
Engineering, n.e.c.	392.9	410.0	447.2	528.6	593.2	603.3	733.9	935.1	827.6	858.0	651.0
Social sciences, total	301.8	392.5	426.1	469.5	527.3	523.8	497.4	385.9	435.3	436.3	460.0
Anthropology	13.9	13.6	12.4	19.5	17.3	17.2	14.5	14.6	12.8	18.6	18.0
Economics	126.2	137.6	142.9	163.2	181.9	192.8	206.7	157.1	165.6	147.3	159.7
Political science	11.7	7.2	8.5	8.8	13.9	12.2	10.8	7.5	11.1	10.8	14.6
Sociology	54.9	53.6	52.2	60.3	64.5	71.4	65.0	52.0	67.8	70.2	66.5
Social sciences, n.e.c.	95.1	180.4	210.3	237.6	249.6	230.3	200.4	154.7	178.0	189.5	201.3
History	7.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Linguistics	3.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Other social sciences	85.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Other sciences, n.e.c.	166.6	178.6	179.1	205.8	286.6	349.6	378.8	287.0	320.4	330.5	341.6

NOTE: Because of rounding, detail may not add to totals.

KEY: NA = Not applicable (indicates that the data collected for this table were not recorded at that level in that particular fiscal year)
n.e.c. = Not elsewhere classified

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1994, 1995, and 1996

Table C-105a. Federal obligations for total research, by detailed field of science and engineering: fiscal years 1986-96

[Dollars in millions]

Page 1 of 1

Field of science and engineering	1986	1987	1988	1989	1990	1991	1992	1993	1994	Estimates 1995	Estimates 1996
Total, all fields	16,502.2	17,940.5	18,650.1	20,765.5	21,622.4	23,968.4	24,490.6	26,890.5	27,440.4	27,803.9	28,270.9
Life sciences, total	6,464.3	7,341.4	7,724.5	8,495.1	8,829.8	9,622.0	9,910.5	10,772.1	11,078.8	11,400.9	11,662.9
Biol & agricultural, total	3,861.3	4,358.5	4,573.4	5,020.0	5,178.4	5,597.9	5,633.6	6,059.3	5,981.3	6,148.0	6,328.7
Biol (excl environmental)	2,993.4	3,502.0	3,681.7	3,983.2	4,144.6	4,411.9	4,380.3	4,730.6	4,589.6	4,744.1	4,925.4
Environmental biology	264.1	289.6	301.0	367.8	342.3	459.7	511.0	556.5	601.3	616.1	639.9
Agricultural	603.8	566.9	590.7	669.0	691.4	726.2	742.3	772.2	790.4	787.8	763.3
Medical sciences	2,360.4	2,664.8	2,941.0	3,222.5	3,382.4	3,460.3	3,909.9	4,404.4	4,741.3	4,921.4	4,998.7
Life sciences, n.e.c.	242.6	318.2	210.1	252.6	269.1	563.8	367.0	308.3	356.2	331.6	335.5
Psychology, total	334.0	369.5	389.8	421.7	448.6	482.4	298.1	550.7	550.2	581.8	584.5
Biological aspects	90.1	98.3	105.3	121.8	130.6	140.2	34.6	37.2	46.9	57.7	50.7
Social aspects	143.5	154.5	149.4	149.9	177.5	197.5	100.9	134.7	116.7	121.6	116.0
Psychological sci, n.e.c.	100.4	116.7	135.2	149.9	140.5	144.8	162.6	378.7	386.6	402.5	417.8
Physical sciences, total	3,069.1	3,252.6	3,317.3	3,705.2	3,808.7	4,235.3	4,439.2	4,427.0	6,792.7	5,988.2	6,253.0
Astronomy	468.2	522.2	470.8	541.9	597.2	631.7	739.1	686.3	3,539.3	2,542.8	2,770.6
Chemistry	662.4	680.3	703.1	782.6	761.7	828.4	896.2	843.2	830.8	866.6	859.4
Physics	1,805.9	1,853.6	1,975.3	2,190.8	2,254.9	2,460.9	2,578.2	2,638.4	2,231.2	2,379.4	2,434.4
Physical sciences, n.e.c.	132.6	196.6	168.1	189.9	195.0	314.3	225.7	259.2	191.3	199.3	188.5
Environmental sciences, total	1,481.7	1,511.6	1,607.0	1,773.2	2,174.1	2,149.8	2,207.6	2,608.5	2,032.0	1,941.1	2,054.6
Atmospheric sciences	521.3	552.9	587.8	588.0	773.4	802.7	767.3	984.1	584.3	573.4	611.5
Geological sciences	443.9	441.7	441.6	542.8	661.1	728.7	735.7	797.9	668.7	640.3	675.7
Oceanography	429.7	427.4	460.4	491.9	520.1	398.6	458.9	467.4	384.2	353.3	380.9
Environmental sci, n.e.c.	86.8	89.5	117.1	150.5	219.5	219.8	245.8	359.2	394.7	374.1	386.5
Math & computer sci, total	615.4	640.6	642.9	735.4	840.7	903.7	1,160.3	1,225.4	1,242.3	1,498.7	1,564.8
Mathematics	184.5	204.5	217.9	236.1	241.3	227.6	318.7	290.8	339.0	357.8	362.3
Computer sciences	302.4	297.8	292.7	364.6	562.1	584.9	771.8	826.1	803.3	1,029.1	1,097.7
Math & computer sci, n.e.c.	128.5	138.3	132.3	134.8	37.3	91.1	69.9	108.5	100.0	111.8	104.9
Engineering, total	3,738.9	3,906.3	3,956.4	4,442.2	4,226.6	4,944.5	4,977.0	5,499.4	4,023.3	4,536.9	4,290.8
Aeronautical	775.6	810.4	801.8	986.8	927.1	1,016.2	874.6	1,193.0	221.3	237.4	232.2
Astronautical	526.9	624.6	575.4	677.4	580.8	653.1	630.4	494.0	90.5	120.1	108.2
Chemical	245.8	215.8	258.1	142.2	241.9	304.3	297.5	245.5	234.7	322.1	296.7
Civil	202.9	204.4	214.9	229.8	317.7	305.0	330.2	252.0	297.5	355.1	328.0
Electrical	674.4	786.3	731.1	843.1	640.0	729.9	759.0	881.5	699.0	761.2	730.7
Mechanical	236.5	233.5	240.8	257.4	268.3	335.5	337.2	466.9	360.5	408.1	401.0
Metallurgy & materials	445.0	362.0	456.7	521.0	554.5	710.7	727.2	695.7	810.6	839.1	868.8
Engineering, n.e.c.	631.7	669.3	677.8	784.5	696.3	889.8	1,020.8	1,270.9	1,309.1	1,493.8	1,325.2
Social sciences, total	415.5	480.0	485.8	551.0	630.0	727.3	689.7	674.9	655.0	740.8	740.7
Anthropology	13.6	15.2	14.3	13.9	14.4	16.0	14.1	13.7	16.9	17.5	17.2
Economics	131.3	148.5	159.5	166.8	197.2	187.4	211.6	204.7	195.3	210.2	215.9
Political science	11.6	11.3	12.2	13.5	13.1	17.0	22.6	29.2	28.5	25.7	26.0
Sociology	67.0	74.0	81.8	94.1	116.2	184.0	80.7	76.7	69.1	73.5	78.2
Social sciences, n.e.c.	192.0	231.0	218.0	262.8	289.1	322.9	360.8	350.5	345.3	413.8	403.5
Other sciences, n.e.c.	383.3	438.3	526.5	641.6	663.7	903.4	808.3	1,132.5	1,066.1	1,115.5	1,119.6

NOTE: Because of rounding, detail may not add to totals.

KEY: n.e.c. = Not elsewhere classified

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1994, 1995, and 1996

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Table C-106. Federal obligations for basic research, by detailed field of science and engineering: fiscal years 1975-85

[Dollars in millions]

Page 1 of 1

Field of science and engineering	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985
Total, all fields	2,588.4	2,767.5	3,258.6	3,698.6	4,192.7	4,674.2	5,041.3	5,481.6	6,260.1	7,067.4	7,818.7
Life sciences, total	1,115.9	1,222.0	1,383.4	1,588.4	1,891.8	2,054.4	2,223.8	2,526.0	2,891.3	3,287.6	3,786.6
Biol & agricultural, total	747.0	818.4	933.6	1,078.7	1,279.3	1,339.4	1,462.4	1,674.8	1,928.8	2,174.7	2,515.5
Biol (excl environmental)	NA	NA	NA	874.5	1,055.5	1,099.9	1,201.7	1,401.2	1,621.9	1,835.8	2,106.3
Environmental biology	NA	NA	NA	64.3	90.8	86.1	83.3	83.2	92.7	120.8	125.7
Agricultural	NA	NA	NA	139.8	133.0	153.5	177.4	190.4	214.2	218.1	283.5
Medical sciences, total	342.4	374.4	414.8	467.7	560.1	657.0	706.2	793.4	878.9	1,015.3	1,145.4
Clinical medical	38.8	41.6	39.6	NA	NA	NA	NA	NA	NA	NA	NA
Other medical	303.5	332.8	375.2	NA	NA	NA	NA	NA	NA	NA	NA
Life sciences, n.e.c.	26.6	29.2	35.0	42.0	52.4	58.0	55.3	57.8	83.6	97.7	125.7
Psychology, total	58.6	45.5	55.7	67.5	75.1	84.2	91.0	89.9	92.9	107.9	132.8
Biological aspects	18.2	18.5	22.5	23.5	26.4	30.2	30.5	32.9	31.4	43.7	48.0
Social aspects	22.2	16.1	20.0	25.3	34.0	31.3	30.2	33.7	32.8	33.4	46.9
Psychological sci. n.e.c.	18.2	11.0	13.1	18.7	14.7	22.8	30.2	23.3	28.7	30.8	38.0
Physical sciences, total	709.0	721.4	890.0	941.4	1,050.0	1,220.6	1,324.9	1,393.8	1,587.2	1,728.0	1,815.2
Astronomy	163.0	160.0	193.3	209.8	280.6	279.4	274.2	271.1	354.5	379.6	400.7
Chemistry	158.6	168.3	208.7	203.3	224.8	256.9	298.2	312.0	362.2	403.4	425.0
Physics	379.0	388.4	467.4	518.8	535.6	668.2	735.4	790.7	855.1	921.4	959.9
Physical sciences, n.e.c.	8.3	4.8	20.6	9.5	8.9	16.1	17.1	20.0	15.4	23.6	29.7
Environmental sciences, total	280.8	294.3	387.5	451.3	457.3	522.4	532.8	520.0	580.1	656.7	699.7
Atmospheric sciences	111.0	114.0	143.5	163.3	169.2	179.0	173.8	163.2	172.6	192.2	209.2
Geological sciences	88.6	95.7	128.7	145.1	157.6	198.3	194.2	177.5	178.3	198.0	250.0
Oceanography	73.2	76.6	104.6	120.7	119.1	130.7	143.3	154.5	195.6	220.1	219.3
Environmental sci. n.e.c.	7.9	8.0	10.7	22.2	11.4	14.3	21.5	24.9	33.5	46.4	21.2
Math & computer sci. total	62.0	81.8	83.4	97.7	104.2	116.3	140.4	165.1	208.1	240.8	260.0
Mathematics	NA	43.2	52.1	55.9	60.0	66.8	79.2	90.9	100.9	113.9	130.3
Computer sciences	NA	26.6	31.0	40.3	43.0	46.2	52.2	67.4	90.4	104.8	116.1
Math & computer sci. n.e.c.	NA	12.0	.3	1.6	1.2	3.2	9.0	6.8	16.8	22.2	13.6
Engineering, total	262.8	272.8	337.7	392.6	434.7	465.2	526.0	610.5	689.5	845.0	884.2
Aeronautical	30.2	32.0	49.5	82.8	88.4	104.2	113.3	126.5	140.7	225.5	191.5
Astronautical	11.3	11.9	10.2	14.9	25.2	27.2	33.2	44.8	50.4	52.4	41.6
Chemical	16.4	18.4	24.0	24.1	24.6	26.1	31.3	35.2	50.4	55.5	74.4
Civil	7.7	7.8	10.4	10.8	14.2	22.0	23.4	32.0	32.4	41.9	43.6
Electrical	47.8	53.1	55.1	57.4	62.0	70.6	78.5	93.6	95.8	130.4	144.9
Mechanical	17.6	20.1	29.6	29.5	35.9	42.2	47.4	53.1	60.7	64.1	88.2
Metallurgy & materials	99.7	103.3	124.9	134.5	151.1	121.3	138.5	155.9	182.9	187.3	211.9
Engineering, n.e.c.	32.2	26.3	33.9	38.4	33.2	51.6	60.5	69.4	76.2	87.9	88.2
Social sciences, total	73.8	86.4	95.5	124.3	129.7	147.2	137.0	120.2	137.7	132.6	140.7
Anthropology	7.0	6.4	8.0	12.0	12.5	14.2	13.1	13.1	11.2	16.8	15.8
Economics	22.1	25.6	29.1	33.6	32.7	40.0	34.1	39.0	41.0	29.7	34.3
Political science	1.6	3.0	2.5	3.2	4.1	7.4	6.3	4.4	4.6	4.1	5.8
Sociology	15.1	16.6	15.9	18.6	18.4	25.4	22.6	18.7	32.8	33.9	32.4
Social sciences, n.e.c.	28.0	34.8	39.9	57.0	62.0	60.2	60.9	45.1	48.2	48.1	52.4
History	6.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Linguistics	2.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Other social sciences	19.9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Other sciences, n.e.c.	25.5	43.1	25.5	35.4	50.0	63.9	65.4	56.1	73.3	68.8	99.4

NOTE: Because of rounding, detail may not add to totals.

KEY:
NA = Not applicable (indicates that the data collected for this table were not recorded at that level in that particular fiscal year)
n.e.c. = Not elsewhere classified

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1994, 1995, and 1996

Table C-106a. Federal obligations for basic research, by detailed field of science and engineering: fiscal years 1986-96

[Dollars in millions]

Page 1 of 1

Field of science and engineering	1986	1987	1988	1989	1990	1991	1992	1993	1994	Estimates	
										1995	1996
Total, all fields	8,153.1	8,942.4	9,473.6	10,602.0	11,285.6	12,170.8	12,489.9	13,399.1	13,552.9	13,569.1	14,037.4
Life sciences, total	3,858.8	4,361.9	4,501.8	4,915.7	5,177.5	5,433.6	5,841.7	6,288.8	6,429.8	6,610.8	6,845.5
Biol & agricultural, total	2,543.0	2,870.4	2,855.3	3,102.9	3,219.0	3,374.9	3,517.6	3,787.8	3,683.8	3,801.6	3,945.3
Biol (excl environmental)	2,151.5	2,461.5	2,414.9	2,647.2	2,742.2	2,868.5	2,981.8	3,222.5	3,094.2	3,199.6	3,333.0
Environmental biology	125.7	141.0	146.8	157.3	168.3	186.9	201.6	223.2	218.7	226.1	238.5
Agricultural	265.7	267.9	293.7	298.4	308.5	319.4	334.2	342.2	370.8	375.9	373.9
Medical sciences	1,196.6	1,341.0	1,573.2	1,708.4	1,849.6	1,857.7	2,131.0	2,380.9	2,592.7	2,673.1	2,750.6
Life sciences, n.e.c.	119.2	150.6	73.2	104.4	108.9	201.0	193.1	120.1	153.4	136.2	149.5
Psychology, total	133.0	147.1	177.8	187.1	215.1	225.5	122.6	246.8	247.4	259.9	264.1
Biological aspects	47.0	49.3	52.4	61.0	65.3	68.2	14.3	18.1	23.6	25.4	25.3
Social aspects	45.3	45.5	40.9	38.1	60.9	69.2	16.9	16.0	16.3	18.1	17.4
Psychological sci, n.e.c.	40.7	52.3	84.5	88.0	88.8	88.1	91.4	212.7	207.5	216.5	221.4
Physical sciences, total	1,914.4	2,096.0	2,199.6	2,506.5	2,661.5	2,881.5	2,951.4	2,907.1	3,649.2	3,295.5	3,447.6
Astronomy	453.1	504.5	458.5	524.6	579.9	612.3	729.7	663.4	1,784.6	1,346.9	1,411.8
Chemistry	433.4	445.1	470.8	504.6	502.1	538.7	556.6	543.7	502.6	523.6	524.6
Physics	1,003.4	1,072.3	1,205.5	1,395.3	1,474.3	1,644.9	1,607.5	1,600.6	1,290.3	1,348.5	1,443.0
Physical sciences, n.e.c.	24.7	74.2	64.8	81.9	105.1	85.5	57.6	99.4	71.7	76.5	68.2
Environmental sciences, total	749.1	781.0	872.7	1,016.9	1,274.8	1,263.5	1,303.6	1,533.5	997.2	999.4	1,015.1
Atmospheric sciences	240.4	243.8	280.7	316.4	443.7	449.0	435.2	635.1	350.1	353.2	370.8
Geological sciences	265.5	266.2	267.3	334.9	439.7	499.0	526.5	555.3	342.8	324.1	331.1
Oceanography	224.3	249.8	269.4	293.5	299.7	197.5	210.0	207.2	159.8	159.4	165.8
Environmental sci, n.e.c.	18.9	21.2	55.2	72.1	91.6	118.0	131.9	135.9	144.4	162.7	147.4
Math & computer sci, total	293.4	306.4	313.2	345.8	406.9	426.1	481.4	511.3	503.6	547.6	569.1
Mathematics	142.4	158.4	165.4	167.8	176.3	164.4	228.2	221.8	244.4	264.1	268.7
Computer sciences	131.4	128.5	125.5	159.5	225.2	223.5	247.7	284.3	236.6	247.9	263.4
Math & computer sci, n.e.c.	19.6	19.5	22.4	18.4	5.3	38.2	5.5	5.1	22.6	35.6	37.0
Engineering, total	968.5	989.5	1,006.2	1,163.7	1,101.5	1,233.7	1,249.8	1,207.4	1,061.7	1,157.6	1,173.1
Aeronautical	226.3	237.4	231.0	327.9	269.6	256.2	245.1	246.2	83.2	84.3	83.1
Astronautical	52.5	48.8	48.4	58.9	62.3	69.7	94.4	53.6	12.1	17.3	18.9
Chemical	73.0	77.5	88.6	50.1	75.8	101.7	105.0	72.8	67.5	69.8	67.0
Civil	45.2	45.7	46.1	51.7	47.3	59.3	53.4	38.7	56.6	67.3	65.1
Electrical	156.3	175.4	154.0	173.8	146.9	142.5	165.4	203.1	175.8	185.4	204.6
Mechanical	83.6	87.2	83.5	100.8	91.4	115.6	113.9	142.6	129.2	148.9	152.9
Metallurgy & materials	228.5	209.8	230.1	254.8	260.2	294.6	273.6	241.3	316.4	330.1	345.0
Engineering, n.e.c.	103.2	107.8	124.4	165.7	147.9	194.3	199.2	209.1	220.7	254.5	236.5
Social sciences, total	113.5	129.5	146.8	154.6	146.0	161.3	139.9	194.1	191.7	201.8	207.1
Anthropology	11.2	12.3	12.1	12.1	12.5	12.7	11.0	10.0	10.3	11.1	11.7
Economics	26.3	29.0	34.7	37.7	37.1	37.3	39.3	46.0	40.3	42.5	42.7
Political science	4.1	5.5	5.1	5.4	6.4	7.1	6.4	6.4	7.9	7.9	8.1
Sociology	30.0	34.3	36.8	38.2	24.2	28.2	10.2	11.1	14.2	14.8	14.9
Social sciences, n.e.c.	41.9	48.4	58.1	61.2	65.8	75.9	72.9	120.6	119.0	125.5	129.8
Other sciences, n.e.c.	122.5	130.9	255.5	291.7	302.3	545.6	399.4	510.1	472.4	496.4	515.8

NOTE: Because of rounding, detail may not add to totals.

KEY: n.e.c. = Not elsewhere classified

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1994, 1995, and 1996

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Table C-107. Federal obligations for applied research, by detailed field of science and engineering: fiscal years 1975-85

[Dollars in millions]

Page 1 of 1

Field of science and engineering	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985
Total, all fields	4,141.3	4,851.9	5,255.5	5,908.2	6,342.3	6,923.2	7,171.5	7,540.6	7,993.4	7,911.4	8,314.7
Life sciences, total	1,339.3	1,427.7	1,624.4	1,838.7	1,956.5	2,137.9	2,211.8	2,219.5	2,286.6	2,348.3	2,575.9
Biol & agricultural, total	705.2	717.4	844.0	945.3	1,041.0	1,168.1	1,249.4	1,137.0	1,135.6	1,150.3	1,239.8
Biol (excl environmental)	NA	NA	NA	614.0	646.7	730.8	794.9	678.1	683.7	727.3	779.3
Environmental biology	NA	NA	NA	120.5	125.8	143.6	137.0	100.4	101.0	129.2	134.6
Agricultural	NA	NA	NA	210.8	268.6	293.7	317.4	358.6	351.0	293.8	325.8
Medical sciences, total	608.7	668.6	724.0	819.8	820.5	879.9	903.7	979.6	1,048.5	1,097.5	1,223.1
Clinical medical	511.7	545.1	594.8	NA	NA	NA	NA	NA	NA	NA	NA
Other medical	97.0	123.5	129.2	NA	NA	NA	NA	NA	NA	NA	NA
Life sciences, n.e.c.	25.4	41.7	56.4	73.6	95.0	89.9	58.7	102.9	102.4	100.4	113.0
Psychology, total	80.6	98.5	100.5	109.2	122.3	114.8	117.9	128.5	147.9	158.8	194.3
Biological aspects	19.2	25.3	35.1	29.9	30.4	29.7	27.0	26.7	31.8	37.1	43.2
Social aspects	34.9	38.8	34.5	40.1	49.6	63.5	63.3	64.4	71.8	74.3	96.0
Psychological sci, n.e.c.	26.5	34.3	30.9	39.1	42.3	21.5	27.7	37.4	44.3	47.4	55.1
Physical sciences, total	387.7	537.5	640.2	704.2	742.6	780.0	895.6	1,106.5	1,304.3	1,241.0	1,230.8
Astronomy	5.3	3.1	4.0	3.8	3.8	6.3	6.8	4.7	3.0	2.7	14.1
Chemistry	126.9	160.2	162.0	201.7	218.8	197.6	188.7	169.2	158.1	203.0	225.4
Physics	216.0	320.8	398.8	423.6	487.1	514.4	610.2	819.8	999.5	915.0	856.1
Physical sciences, n.e.c.	39.5	53.3	75.3	75.1	32.8	61.8	89.9	112.9	143.7	120.3	135.2
Environmental sciences, total	446.5	475.0	518.5	573.3	643.7	738.6	588.2	628.3	671.2	619.2	704.0
Atmospheric sciences	191.2	175.3	174.9	155.9	179.5	230.5	199.6	262.6	288.1	242.0	276.8
Geological sciences	103.1	131.5	140.7	171.2	201.1	203.4	201.9	180.1	155.2	161.0	179.0
Oceanography	70.6	87.4	91.3	103.1	101.4	131.4	118.4	106.8	147.9	143.4	179.3
Environmental sci, n.e.c.	81.6	80.8	111.6	143.0	161.7	173.3	68.4	78.7	80.0	72.9	69.0
Math & computer sci, total	63.3	76.0	112.5	118.5	106.1	124.7	138.6	185.0	211.3	199.5	314.9
Mathematics	NA	26.7	44.3	37.5	24.2	24.1	38.6	37.3	32.6	37.1	53.4
Computer sciences	NA	47.0	58.3	57.0	63.3	82.4	69.3	103.5	124.1	109.7	164.2
Math & computer sci, n.e.c.	NA	2.3	9.9	14.1	18.6	18.2	30.7	44.3	54.6	52.7	97.3
Engineering, total	1,454.9	1,795.9	1,775.2	2,028.6	2,137.0	2,364.9	2,545.4	2,776.1	2,827.5	2,779.1	2,733.4
Aeronautical	314.9	494.8	359.3	400.0	536.5	604.0	596.3	614.7	679.9	634.9	546.5
Astronautical	87.8	167.5	148.8	150.2	226.0	275.1	270.8	245.9	271.1	344.4	383.2
Chemical	67.5	69.8	80.8	125.3	89.7	70.2	116.3	59.9	94.6	88.9	179.9
Civil	117.9	98.1	107.0	131.6	110.8	136.8	135.8	169.9	156.0	161.0	173.0
Electrical	239.2	244.6	327.6	375.2	355.8	446.6	478.2	518.6	519.1	499.7	481.9
Mechanical	144.8	165.6	169.5	204.7	160.0	165.8	157.3	148.1	205.7	126.3	178.8
Metallurgy & materials	122.1	171.6	168.9	151.4	98.2	114.8	117.5	153.2	149.6	153.7	227.4
Engineering, n.e.c.	360.7	383.7	413.3	490.2	560.0	551.6	673.4	865.7	751.4	770.1	562.8
Social sciences, total	228.1	306.0	330.6	365.1	397.6	376.6	360.5	265.7	297.5	303.8	319.3
Anthropology	6.9	7.2	4.3	7.6	4.9	2.9	1.5	1.5	1.6	1.7	2.1
Economics	104.2	111.9	113.8	129.6	149.2	152.8	172.6	118.2	124.6	117.6	125.4
Political science	10.1	4.2	5.9	5.6	9.8	4.8	4.5	3.2	6.6	6.7	8.9
Sociology	39.8	37.0	36.2	41.7	46.1	46.1	42.4	33.3	35.0	36.3	34.0
Social sciences, n.e.c.	67.1	145.6	170.3	180.6	187.6	170.1	139.5	109.6	129.8	141.4	148.9
History	1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Linguistics	.9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Other social sciences	65.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Other sciences, n.e.c.	141.0	135.4	153.6	170.4	236.6	285.7	313.5	231.0	247.1	261.7	242.2

NOTE: Because of rounding, detail may not add to totals.

KEY: NA = Not applicable (indicates that the data collected for this table were not recorded at that level in that particular fiscal year)
n.e.c. = Not elsewhere classified

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1994, 1995, and 1996

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Table C-107a. Federal obligations for applied research, by detailed field of science and engineering: fiscal years 1986-96

[Dollars in millions]

Page 1 of 1

Field of science and engineering	1986	1987	1988	1989	1990	1991	1992	1993	1994	Estimates	
										1995	1996
Total, all fields	8.349.1	8.998.1	9.176.5	10.163.5	10.336.8	11.797.6	12.000.7	13.491.4	13.887.5	14.234.8	14.233.5
Life sciences, total	2.605.5	2.979.5	3.222.7	3.579.4	3.652.3	4.188.4	4.068.8	4.483.3	4.649.0	4.790.1	4.817.4
Biol & agricultural, total	1.318.4	1.488.1	1.718.0	1.917.2	1,959.4	2.223.0	2.116.0	2.271.5	2.297.5	2.346.4	2.383.3
Biol (excl environmental)	841.9	1,040.5	1.266.8	1.336.0	1.402.5	1.543.4	1.398.4	1.508.1	1,495.4	1.544.5	1.592.5
Environmental biology	138.3	148.6	154.2	210.5	174.0	272.8	309.4	333.3	382.6	390.0	401.5
Agricultural	338.1	299.1	297.0	370.7	382.9	406.8	408.2	430.1	419.5	411.9	389.4
Medical sciences	1,163.8	1.323.8	1.367.8	1.514.1	1,532.7	1,602.6	1,778.9	2.023.5	2.148.6	2.248.3	2.248.1
Life sciences, n.e.c.	123.3	167.6	136.9	148.1	160.2	362.9	173.9	188.2	202.8	195.4	186.0
Psychology, total	201.0	222.4	212.0	234.5	233.5	256.9	175.6	303.9	302.9	321.9	320.4
Biological aspects	43.1	49.1	52.9	60.8	65.3	72.0	20.3	19.1	23.3	32.3	25.5
Social aspects	98.3	108.9	108.4	111.8	116.5	128.2	84.1	118.7	100.4	103.6	98.6
Psychological sci. n.e.c.	59.7	64.4	50.7	61.9	51.7	56.7	71.2	166.1	179.1	186.0	196.4
Physical sciences, total	1,154.6	1,156.6	1,117.7	1,198.8	1,147.2	1,353.9	1,487.7	1,519.8	3.143.5	2,692.7	2,805.4
Astronomy	15.1	17.7	12.3	17.3	17.2	19.3	9.4	22.8	1,754.8	1,195.9	1,358.8
Chemistry	229.0	235.2	232.3	278.0	259.6	289.7	339.6	299.5	328.2	343.0	334.8
Physics	802.6	781.4	769.8	795.5	780.6	816.0	970.7	1,037.7	940.9	1,030.9	991.5
Physical sciences, n.e.c.	107.9	122.4	103.3	108.0	89.8	228.9	168.1	159.8	119.6	122.8	120.3
Environmental sciences, total	732.6	730.6	734.3	756.3	899.3	886.3	904.0	1,075.0	1,034.8	941.7	1,039.6
Atmospheric sciences	280.9	309.1	307.1	271.6	329.7	353.7	332.0	349.0	234.2	220.2	240.7
Geological sciences	178.4	175.6	174.3	207.8	221.4	229.7	209.2	242.6	325.9	316.2	344.7
Oceanography	205.4	177.6	190.9	198.4	220.4	201.0	248.9	260.2	224.4	193.9	215.2
Environmental sci. n.e.c.	67.9	68.3	61.9	78.5	127.8	101.7	113.8	223.3	250.3	211.4	239.1
Math & computer sci. total	322.0	334.3	329.6	389.7	433.9	477.6	678.9	714.1	738.7	951.1	995.8
Mathematics	42.1	46.1	52.5	68.3	65.0	63.2	90.5	68.9	94.6	93.7	93.6
Computer sciences	171.0	169.3	167.2	205.1	336.9	361.4	524.0	541.8	566.7	781.1	834.3
Math & computer sci. n.e.c.	108.9	118.9	109.9	116.3	31.9	52.9	64.3	103.4	77.4	76.2	67.9
Engineering, total	2,770.4	2.916.8	2,950.2	3,258.4	3,125.1	3.710.8	3,727.1	4.292.0	2,961.6	3,379.3	3,117.7
Aeronautical	549.3	573.0	570.8	658.9	657.5	760.0	629.5	946.8	138.0	153.1	149.1
Astronautical	474.4	575.9	526.9	618.5	518.5	583.4	536.0	440.4	78.4	102.8	89.3
Chemical	172.8	138.3	169.5	92.2	166.0	202.6	192.5	172.7	167.1	252.3	229.8
Civil	157.8	158.7	168.7	178.1	270.4	245.7	276.9	213.3	240.9	287.8	262.9
Electrical	518.1	610.9	577.1	669.3	493.1	587.4	593.6	678.4	523.2	575.8	526.1
Mechanical	153.0	146.2	157.2	156.5	176.9	220.0	223.4	324.3	231.3	259.1	248.0
Metallurgy & materials	216.6	152.2	226.6	266.2	294.3	416.1	453.6	454.3	494.2	509.1	523.8
Engineering, n.e.c.	528.5	561.6	553.3	618.8	548.4	695.4	821.6	1,061.7	1,088.4	1,239.3	1,088.8
Social sciences, total	302.0	350.5	339.0	396.4	484.0	566.0	549.8	480.8	463.3	538.9	533.6
Anthropology	2.4	2.9	2.2	1.8	1.9	3.3	3.1	3.7	6.6	6.4	5.5
Economics	105.0	119.6	124.8	129.1	160.1	150.1	172.3	158.7	154.9	167.8	173.2
Political science	7.5	5.8	7.1	8.1	6.8	10.0	16.1	22.8	20.6	17.8	17.9
Sociology	37.0	39.6	45.0	55.9	92.0	155.7	70.5	65.6	55.0	58.7	63.3
Social sciences, n.e.c.	150.2	182.6	159.9	201.6	223.3	246.9	287.9	229.9	226.2	288.3	273.7
Other sciences, n.e.c.	260.9	307.4	271.0	350.0	361.5	357.8	408.8	622.4	593.8	619.1	603.8

NOTE: Because of rounding, detail may not add to totals.

KEY: n.e.c. = Not elsewhere classified

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1994, 1995, and 1996

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Table C-106. Federal obligations for research and development, by State: fiscal years 1975-85

[Dollars in millions]

Page 1 of 1

State	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985
Total	18,542.3	20,247.4	22,841.1	25,077.7	27,084.2	28,627.3	31,829.6	35,361.6	37,627.8	41,148.5	47,214.8
Alabama	363.1	374.4	414.7	432.0	516.9	455.7	493.5	581.5	671.7	792.8	896.6
Alaska	36.4	37.6	38.1	48.7	45.9	42.5	51.8	40.0	40.4	47.7	51.5
Arizona	116.3	122.5	142.5	163.4	201.4	334.6	367.7	264.5	469.3	383.9	458.2
Arkansas	23.3	26.5	24.3	42.4	37.3	30.0	31.2	43.5	31.4	35.0	39.7
California	4,839.6	5,496.1	5,785.5	5,839.2	6,338.6	6,097.7	7,049.7	8,888.3	8,194.9	8,995.8	10,771.8
Colorado	267.9	248.6	324.2	393.2	442.2	573.7	632.8	598.6	436.2	531.6	629.2
Connecticut	269.7	239.4	291.8	298.8	328.4	470.3	485.0	439.6	743.3	675.9	742.8
Delaware	10.0	8.0	15.3	11.1	14.4	20.8	25.9	34.6	20.4	63.7	34.7
District of Columbia	580.3	570.3	726.1	790.2	768.4	807.0	921.0	954.6	1,196.1	1,796.0	2,077.7
Florida	796.8	788.3	872.5	890.1	913.1	1,120.8	1,373.7	1,776.4	1,276.0	1,138.1	1,205.2
Georgia	81.0	92.3	111.2	155.7	184.4	169.8	195.0	217.3	237.2	245.5	291.8
Hawaii	43.0	45.5	36.9	44.6	40.8	42.6	49.9	44.5	71.4	52.9	58.2
Idaho	67.2	72.7	119.8	107.0	147.1	147.7	119.5	127.0	223.4	195.2	259.7
Illinois	371.3	414.3	517.2	564.3	547.2	599.9	572.6	543.0	567.5	675.6	772.8
Indiana	92.8	92.4	102.8	108.1	122.0	162.4	170.1	186.2	213.6	236.0	227.7
Iowa	47.8	48.5	60.1	68.3	84.9	121.7	147.4	136.3	95.2	134.5	150.3
Kansas	32.8	32.1	36.3	106.6	136.3	353.6	471.0	637.7	97.4	101.9	138.1
Kentucky	35.2	51.0	56.6	62.1	43.0	107.9	101.0	97.2	93.1	56.5	69.2
Louisiana	101.8	126.1	156.5	162.7	209.1	196.3	331.8	236.8	186.6	129.7	118.8
Maine	11.9	15.6	18.3	25.4	23.1	25.9	24.4	23.9	29.3	38.1	36.7
Maryland	1,610.3	1,811.2	1,991.4	2,091.0	2,299.8	2,465.0	2,585.1	2,850.2	3,412.4	3,917.9	4,371.6
Massachusetts	1,228.6	1,284.9	1,472.0	1,689.3	2,055.6	2,047.7	2,407.1	2,775.2	2,559.3	2,882.6	3,276.7
Michigan	248.9	222.2	316.6	367.8	264.4	377.5	357.2	376.7	412.5	479.4	502.1
Minnesota	123.2	153.3	186.5	177.7	202.8	261.6	309.0	378.6	448.2	636.8	718.7
Mississippi	57.9	71.6	95.4	87.1	100.7	109.3	125.5	125.7	185.8	145.5	172.4
Missouri	330.0	404.3	639.6	827.3	778.9	801.6	820.4	911.3	576.8	659.5	694.2
Montana	28.4	29.8	47.8	27.5	41.6	45.7	45.4	42.7	35.0	26.6	26.0
Nebraska	20.3	21.4	24.5	33.5	31.3	31.6	31.7	32.0	42.3	33.0	34.6
Nevada	150.0	179.7	184.3	196.7	222.1	214.5	283.0	376.3	647.1	440.5	490.4
New Hampshire	33.6	34.7	32.6	68.7	94.1	50.2	54.8	50.8	76.8	116.4	130.3
New Jersey	442.0	495.7	566.3	522.5	649.3	729.4	775.4	887.9	1,293.4	1,550.0	1,791.8
New Mexico	554.8	626.3	751.4	987.4	955.5	954.2	1,224.1	1,322.6	1,804.9	2,104.8	2,368.6
New York	1,058.6	1,107.4	1,203.8	1,284.1	1,362.2	1,468.8	1,557.7	1,692.5	2,523.2	2,493.4	3,128.4
North Carolina	116.9	139.1	154.7	192.3	220.9	227.7	259.8	272.7	312.5	378.3	485.7
North Dakota	13.0	14.8	19.3	28.3	33.4	38.7	40.1	36.5	27.2	37.8	32.7
Ohio	585.2	627.8	694.8	858.3	1,053.2	1,054.7	1,117.2	1,024.8	1,170.1	1,366.5	1,520.5
Oklahoma	34.5	32.1	48.2	105.0	70.1	94.5	82.4	65.6	67.9	65.5	81.3
Oregon	79.0	84.6	84.9	95.3	100.1	97.9	105.6	106.3	108.0	137.8	151.6
Pennsylvania	780.7	836.0	837.5	995.7	1,099.9	1,059.4	1,082.9	1,131.5	1,173.3	1,142.2	1,329.6
Rhode Island	75.1	101.8	110.1	120.3	140.7	149.9	182.5	242.1	267.5	306.1	334.3
South Carolina	24.6	30.8	67.2	118.3	114.3	87.5	96.1	98.7	104.6	119.8	119.9
South Dakota	6.8	7.3	8.5	9.1	10.2	9.9	10.2	19.0	12.4	14.0	14.4
Tennessee	289.4	388.2	546.3	644.3	644.1	722.9	883.6	702.3	435.5	546.7	556.3
Texas	714.5	837.2	819.4	1,003.8	1,000.1	908.6	1,031.7	1,054.3	1,412.6	1,473.8	1,664.6
Utah	80.1	101.5	133.2	161.8	211.6	243.9	305.7	287.9	268.9	232.4	250.9
Vermont	31.6	39.7	36.6	23.7	16.7	36.6	18.7	35.7	23.7	33.8	36.1
Virginia	726.8	751.5	780.2	857.1	945.1	1,059.3	1,066.4	1,268.1	2,286.1	2,247.2	2,472.4
Washington	694.6	705.6	879.1	878.3	864.7	951.8	1,047.5	1,038.9	709.3	881.8	1,036.5
West Virginia	46.5	37.2	50.6	73.3	107.2	152.0	151.2	91.0	82.5	73.3	66.5
Wisconsin	79.2	82.8	94.8	111.9	111.0	121.7	132.2	129.4	142.4	166.0	200.8
Wyoming	16.3	19.4	24.2	40.8	41.0	53.9	58.2	25.4	28.4	34.0	25.1
Outlying areas	28.8	22.4	47.8	38.7	39.4	45.3	38.9	40.7	32.0	44.9	62.8
Offices abroad	43.9	43.0	38.6	45.9	57.7	73.5	47.2	59.0	51.0	34.6	35.9

NOTES: For each year, the data shown include the obligations of the 10 or 11 major R&D-supporting agencies which were requested to report to this section of the survey in that year, and represent 96 percent or more of the total Federal R&D obligations in that year.

Although the nongeographic historical tables incorporate corrections to previously reported data that have been submitted by the reporting agencies, corresponding corrections to the geographic distributions are rarely obtainable.

Because of rounding, detail may not add to totals.

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1994, 1995, and 1996

Table C-108a. Federal obligations for research and development, by State: fiscal years 1986-94

[Dollars in millions]

Page 1 of 1

State	1986	1987	1988	1989	1990	1991	1992	1993	1994
Total	50,310.2	54,067.4	55,471.0	59,485.0	62,105.2	58,865.4	64,089.7	65,744.1	65,842.9
Alabama	1,188.2	1,346.4	1,363.7	1,646.7	1,805.4	1,863.2	2,151.7	2,149.4	1,818.4
Alaska	49.4	48.8	50.5	71.3	90.7	102.7	93.0	92.7	157.3
Arizona	398.1	414.9	369.4	501.2	591.7	516.8	638.2	535.3	795.1
Arkansas	40.5	52.3	56.4	57.0	85.7	85.9	68.8	79.2	88.9
California	11,512.3	13,672.2	14,895.9	15,919.4	16,249.3	14,488.3	15,999.1	14,883.7	11,279.9
Colorado	1,636.4	1,516.3	1,408.4	1,618.1	1,888.3	2,694.2	1,479.2	1,343.4	1,353.4
Connecticut	577.3	672.2	619.5	596.7	509.8	672.7	578.3	522.2	733.5
Delaware	30.2	32.3	36.0	31.9	28.3	41.8	43.1	56.2	50.4
District of Columbia	2,324.0	2,209.2	2,925.3	1,914.9	1,593.1	1,943.7	2,185.2	2,488.9	2,474.8
Florida	1,448.0	2,297.3	2,133.4	2,269.8	2,343.4	2,181.1	2,832.3	2,775.3	2,906.3
Georgia	250.5	352.1	350.4	392.5	364.1	466.5	2,512.6	3,035.3	5,544.4
Hawaii	54.7	63.9	82.2	97.4	100.0	112.6	150.7	113.0	140.3
Idaho	266.6	232.7	250.1	195.9	326.1	279.1	299.5	303.7	227.8
Illinois	745.0	827.3	850.7	909.1	957.2	959.4	921.9	963.8	1,080.0
Indiana	295.1	339.4	312.1	392.5	363.6	378.7	367.0	513.6	403.6
Iowa	224.3	162.4	197.1	190.9	186.7	209.8	194.7	215.8	223.8
Kansas	112.7	94.2	126.7	128.8	116.4	83.6	91.2	87.9	84.8
Kentucky	59.1	61.9	68.5	73.0	96.5	122.4	71.7	86.7	88.6
Louisiana	92.4	107.4	101.3	179.6	121.2	163.6	169.6	152.6	205.1
Maine	35.6	178.6	39.8	67.7	39.7	57.1	60.6	65.2	80.9
Maryland	4,512.5	4,036.3	4,355.3	4,849.0	5,332.1	5,569.0	5,779.7	7,238.6	6,653.0
Massachusetts	3,240.3	3,910.8	2,702.0	2,882.5	2,982.8	3,146.8	3,227.9	3,551.7	3,234.1
Michigan	460.5	463.3	417.5	686.2	810.8	772.6	876.3	878.0	770.2
Minnesota	515.4	506.6	576.8	597.3	529.8	455.7	456.4	445.5	474.4
Mississippi	143.4	184.4	185.1	198.7	471.7	230.6	255.7	259.8	255.7
Missouri	677.8	614.7	637.6	1,241.9	1,064.3	587.9	733.5	726.3	2,271.7
Montana	26.4	30.1	35.5	36.2	30.9	45.8	71.5	69.1	56.4
Nebraska	41.1	48.9	52.1	51.2	76.4	76.1	71.1	78.5	85.2
Nevada	462.6	462.0	443.3	427.5	484.7	496.0	465.8	406.2	347.7
New Hampshire	136.0	83.6	60.8	98.0	145.1	196.3	156.1	237.6	218.9
New Jersey	1,781.4	1,114.9	1,209.3	1,320.4	1,601.6	1,698.3	1,646.8	1,422.8	1,381.9
New Mexico	2,500.0	1,998.2	2,296.1	2,220.4	2,311.3	2,018.7	2,211.3	2,309.6	1,894.1
New York	3,163.5	2,941.8	2,688.7	2,904.1	2,960.8	3,086.6	3,058.7	2,538.0	2,698.7
North Carolina	497.7	583.8	625.0	562.8	618.6	673.8	700.7	719.1	734.3
North Dakota	27.2	29.4	32.5	33.3	53.1	43.7	54.2	50.3	49.6
Ohio	1,591.7	1,862.9	1,865.2	1,938.8	2,088.5	1,729.9	1,863.4	1,921.7	1,734.4
Oklahoma	69.8	99.4	103.7	117.6	162.6	131.5	126.1	117.9	141.5
Oregon	127.6	133.9	170.3	168.4	175.6	216.5	226.5	229.4	279.2
Pennsylvania	1,301.3	1,681.9	1,731.6	1,961.9	2,074.6	2,125.8	1,794.4	2,566.5	1,980.5
Rhode Island	392.7	365.4	335.6	314.1	391.1	433.8	386.3	495.6	433.5
South Carolina	122.5	123.7	148.7	222.6	230.9	250.4	172.1	173.2	198.5
South Dakota	14.6	12.8	13.1	15.0	15.7	22.5	23.9	26.9	26.5
Tennessee	591.3	732.0	567.2	576.0	825.0	732.2	666.0	674.4	675.6
Texas	1,912.0	2,261.3	2,514.9	3,189.2	3,496.8	2,321.4	2,873.0	2,546.2	3,658.3
Utah	274.6	427.3	462.0	517.8	437.7	429.1	314.0	298.8	325.7
Vermont	41.1	39.6	55.9	60.1	42.5	56.1	51.3	62.1	47.9
Virginia	2,810.0	2,292.5	2,729.1	2,778.0	2,733.5	2,909.0	3,231.3	3,402.6	3,729.7
Washington	1,153.9	1,878.8	1,765.6	1,766.2	1,567.0	1,241.1	900.5	878.1	950.2
West Virginia	88.7	115.8	113.4	104.0	116.6	177.9	166.4	206.2	212.9
Wisconsin	181.9	204.8	223.2	263.5	271.7	294.5	307.7	350.8	349.6
Wyoming	14.5	23.5	29.0	38.5	57.4	29.8	41.4	48.2	36.6
Outlying areas	36.8	42.9	33.0	45.7	54.9	221.7	246.9	332.7	166.3
Puerto Rico	NA	NA	NA	NA	NA	NA	NA	NA	50.5
Other Areas	NA	NA	NA	NA	NA	NA	NA	NA	115.8
Offices abroad	59.2	78.2	54.2	43.4	31.7	21.0	24.4	17.8	23.1

NOTES: For each year, the data shown include the obligations of the 10 or 11 major R&D-supporting agencies which were requested to report to this section of the survey in that year, and represent 96 percent or more of the total Federal R&D obligations in that year.

Although the nongeographic historical tables incorporate corrections to previously reported data that have been submitted by the reporting agencies, corresponding corrections to the geographic distributions are rarely obtainable.

Because of rounding, detail may not add to totals.

KEY: NA = Not applicable (indicates that the data collected for this table were not recorded at that level in that particular fiscal year)

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1994, 1995, and 1996

Table C-109. Federal obligations for R&D plant, by State: fiscal years 1975-85

[Dollars in millions]

Page 1 of 1

State	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985
Total	801.0	799.2	1,334.0	1,262.0	1,393.8	1,533.1	1,454.4	1,380.1	1,280.9	1,770.6	1,774.7
Alabama	8.4	12.3	5.3	6.5	2.6	47.9	16.5	5.8	6.0	26.4	41.4
Alaska	.9	.8	.6	.7	.8	.1	-	-	21.3	.1	12.9
Arizona	1.3	2.7	1.6	33.9	35.3	1.8	.4	.4	5.4	3.6	2.9
Arkansas	.7	.9	2.8	.9	.2	.7	.7	1.0	1.5	.5	.5
California	151.1	147.3	303.3	259.5	400.2	377.4	355.4	334.6	368.4	316.8	404.2
Colorado	4.9	12.0	12.7	11.6	9.7	35.6	26.9	16.6	43.9	52.3	32.4
Connecticut	3.8	1.9	3.9	2.3	12.3	1.0	9.2	25.1	5.5	5.2	8.4
Delaware	.1	0	-	-	0	.7	1.6	.1	.4	.6	.4
District of Columbia	7.9	21.4	11.3	11.1	22.0	14.3	31.7	33.6	24.6	62.4	92.5
Florida	96.0	76.3	155.2	81.1	46.0	46.7	25.5	31.8	37.2	91.2	42.8
Georgia	.5	.2	1.2	1.8	1.0	.6	1.6	1.5	2.1	3.8	2.6
Hawaii	6.2	2.8	.5	.7	.5	.2	.7	.1	1.6	.6	.9
Idaho	16.2	19.7	26.1	35.6	41.8	45.1	11.9	21.4	19.7	11.9	8.3
Illinois	29.6	45.2	52.0	72.9	61.9	71.5	74.1	74.3	80.3	81.2	110.1
Indiana	.1	.8	.6	.4	.7	.7	.9	.6	1.3	2.8	4.5
Iowa	.7	1.1	1.5	2.3	2.2	2.9	2.1	2.2	2.7	3.5	1.4
Kansas	-	.1	.1	.2	-	.1	.1	.1	.2	.3	2.3
Kentucky	0	0	0	-	2.9	-	4.3	1.4	.4	.3	.3
Louisiana	.3	2.3	3.6	20.9	16.7	12.6	14.1	22.2	2.4	2.6	2.0
Maine	-	-	.1	.1	.1	-	-	-	-	-	-
Maryland	40.1	36.7	80.4	82.7	64.3	53.3	52.3	82.2	80.8	180.1	145.4
Massachusetts	11.0	14.0	24.4	28.7	36.9	20.4	35.7	23.3	29.4	62.8	66.1
Michigan	.6	2.0	1.1	1.9	3.0	8.3	9.5	7.8	1.1	6.4	5.1
Minnesota	.1	.5	.4	1.2	.8	.3	.5	.4	.8	3.1	.8
Mississippi	4.8	4.1	11.5	6.0	3.8	6.6	3.4	5.9	6.4	13.7	12.6
Missouri	4.1	.5	.9	1.2	5.6	40.9	1.8	5.7	6.0	3.9	3.7
Montana	.3	.1	.8	-	1.2	3.7	.1	.1	.2	.2	.2
Nebraska	.4	1.0	.2	.3	.8	2.1	.6	.7	.5	.7	.4
Nevada	11.7	11.7	14.8	18.5	24.2	22.4	82.9	30.0	33.0	108.4	155.2
New Hampshire	2.9	2.0	2.4	1.3	5.4	-	7.7	.1	.7	.1	.4
New Jersey	11.5	22.1	64.8	96.7	64.8	60.5	55.7	57.0	42.0	52.7	40.1
New Mexico	68.1	76.6	137.9	101.7	138.6	169.5	119.3	196.6	191.8	102.3	243.7
New York	46.4	37.5	61.0	63.8	69.4	91.4	85.1	65.0	77.0	175.0	75.3
North Carolina	.3	.6	66.8	3.5	3.9	8.2	1.2	1.4	4.1	3.6	10.4
North Dakota	.4	.5	.6	2.3	1.4	4.1	1.4	1.2	.9	.9	1.3
Ohio	15.1	13.6	60.4	23.9	28.0	40.3	65.2	23.7	7.5	49.6	46.5
Oklahoma	.3	.2	.4	1.0	.6	3.2	2.7	1.2	1.3	.9	1.7
Oregon	1.2	2.0	-	2.6	.9	3.9	1.0	.1	.2	3.4	1.2
Pennsylvania	18.9	11.0	8.1	28.8	46.5	35.5	95.2	51.1	19.2	20.1	18.7
Rhode Island	4.9	4.5	5.3	2.4	3.5	2.6	1.6	2.1	1.9	.7	31.6
South Carolina	3.8	3.3	2.2	6.9	9.7	3.1	18.8	65.2	49.6	146.4	7.5
South Dakota	0	0	-	.1	1.6	3.1	.7	.9	.2	.1	.1
Tennessee	39.3	60.5	37.8	43.4	55.8	80.1	85.5	65.2	27.3	69.9	33.8
Texas	7.6	7.8	10.4	11.8	9.7	14.2	13.9	10.2	4.7	9.6	19.4
Utah	2.1	.8	1.5	8.0	2.9	1.9	1.5	3.1	.5	2.0	2.4
Vermont	0	0	0	0	-	0	-	.0	0	.0	0
Virginia	23.1	11.6	24.7	29.3	42.0	41.5	33.9	21.1	29.4	52.2	26.7
Washington	146.5	103.1	113.4	118.3	86.8	128.2	89.0	80.8	12.0	13.6	32.7
West Virginia	1.9	16.7	16.7	17.0	13.1	12.9	3.7	1.1	23.3	4.8	11.4
Wisconsin	2.9	4.9	.5	9.6	2.9	2.5	3.0	1.0	1.9	10.2	5.6
Wyoming	.3	.2	.3	.9	1.2	4.3	2.0	1.2	.1	.3	.1
Outlying areas	.5	.3	.1	1.7	.5	2.9	.7	.5	.2	3.3	1.4
Offices abroad	1.1	1.0	1.9	3.9	7.1	1.1	1.3	1.4	1.7	3.5	2.3

NOTES: For each year, the data shown include the obligations of the 10 or 11 major R&D-supporting agencies which were requested to report to this section of the survey in that year, and represent 96 percent or more of the total Federal R&D obligations in that year.

Although the nongeographic historical tables incorporate corrections to previously reported data that have been submitted by the reporting agencies, corresponding corrections to the geographic distributions are rarely obtainable.

Because of rounding, detail may not add to totals.

KEY: - = Amount less than 50 thousand dollars

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1994, 1995, and 1996

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Table C-109a. Federal obligations for R&D plant, by State: fiscal years 1986-94

[Dollars in millions]

Page 1 of 1

State	1986	1987	1988	1989	1990	1991	1992	1993	1994
Total	1,482.5	1,793.8	2,025.1	2,144.3	2,230.1	2,807.0	2,962.9	3,054.5	2,152.0
Alabama	41.2	42.8	51.8	47.2	109.7	165.0	346.1	368.2	94.1
Alaska	0	0	6.4	0	11.1	2	8	1.0	88.0
Arizona	1.7	19.6	21.8	18.1	2.5	16.4	7.9	16.9	20.8
Arkansas	9	5	4	3.1	2.2	5.3	4.4	3.3	3.9
California	323.5	290.7	429.0	446.7	459.0	377.8	356.1	469.6	209.5
Colorado	16.3	12.8	53.5	62.5	32.3	50.7	55.6	30.0	36.9
Connecticut	1.2	4	1.0	1.4	1.8	2.6	2.6	14.4	3.8
Delaware	4	4	1.3	2	-	-	1	2.1	1.1
District of Columbia	28.0	24.1	15.4	17.1	7.4	16.3	17.8	13.3	11.2
Florida	53.2	64.6	86.0	100.0	68.3	132.1	143.1	73.5	101.7
Georgia	15.6	23.1	2.7	10.8	3.6	6.0	6.4	3.5	5.3
Hawaii	6	6	6.9	4	1.4	9.2	6.5	19.3	14.3
Idaho	24.7	17.8	39.6	12.0	30.3	46.0	39.6	27.4	12.5
Illinois	96.6	94.3	76.7	94.9	116.3	319.7	183.9	201.6	208.5
Indiana	5	5.8	1.9	1.5	1.3	5.0	8.4	22.6	4.1
Iowa	3.3	22.7	3.8	6.2	10.4	26.1	5.2	7.9	10.1
Kansas	41.0	49.8	1	1.6	3.1	5.2	2.5	10.1	10.6
Kentucky	3	1.7	1	5	7	1.6	0	0	3.9
Louisiana	2.2	2.5	31.9	47.2	33.6	26.1	26.2	29.5	21.0
Maine	-	-	.3	1	7	7	1.5	1.0	1.9
Maryland	78.6	109.8	79.2	120.1	178.9	235.9	229.7	264.6	196.2
Massachusetts	17.7	36.3	94.2	54.7	78.2	32.5	20.2	22.3	15.8
Michigan	1.2	1.4	4.4	4.6	6.6	3.0	9.1	21.7	4.5
Minnesota	1.1	4	.7	1.8	1.1	2.1	2.5	3.0	2.2
Mississippi	13.5	39.1	19.1	41.1	47.4	50.8	41.6	42.2	31.9
Missouri	4.7	4.8	2.7	3.7	1.9	6.5	1.7	1.5	4.7
Montana	2	2	2	2	.5	1.6	2.7	1.6	3.6
Nebraska	7.3	1.4	4.1	2.8	4.1	6.0	5.7	1.0	1.0
Nevada	69.9	87.0	103.3	69.3	61.1	57.7	59.7	50.2	26.9
New Hampshire	3	2	-	2	.3	3	4.0	8	.3
New Jersey	37.6	39.8	52.6	46.8	51.3	30.0	39.0	53.2	45.3
New Mexico	192.0	256.6	231.4	239.6	197.9	175.5	164.7	181.4	152.6
New York	105.0	113.4	115.3	101.6	100.6	107.2	194.5	177.7	183.1
North Carolina	2.2	3.4	9	4.3	3.4	7.4	6.8	36.6	40.0
North Dakota	8.8	8	9.2	6.0	7.4	9.0	7.4	5.5	5.8
Ohio	19.2	58.1	68.5	69.8	56.3	115.4	122.2	64.1	124.1
Oklahoma	2.3	9	10.7	4.5	1.5	3.3	4.1	1.0	1.9
Oregon	12.0	24.7	8.6	30.1	12.3	3.3	1.8	13.8	6.5
Pennsylvania	19.0	41.4	56.3	79.0	36.0	89.5	52.0	95.7	65.0
Rhode Island	5.5	6.4	2.0	1.6	8	14.3	1.9	6	6
South Carolina	5.7	19.6	8.2	8.9	3.7	31.9	4.1	4.9	14.7
South Dakota	-	.1	6	.3	1.7	2.0	1.5	1.0	5.6
Tennessee	30.8	29.3	57.2	58.8	62.4	63.2	48.1	29.5	77.4
Texas	79.7	75.1	40.7	97.6	210.6	218.0	465.7	429.1	56.6
Utah	13.6	14.2	6.8	12.1	2.5	3.5	1.5	3.5	6.7
Vermont	0	1.0	8.0	1.4	4	8	0	.1	.6
Virginia	45.5	89.4	105.5	127.4	128.7	175.5	172.4	131.0	126.6
Washington	26.4	24.8	31.2	35.5	44.2	34.5	54.3	71.6	71.5
West Virginia	10.2	16.5	23.2	26.7	12.4	89.4	9.7	8.4	4.8
Wisconsin	2.7	4.0	2.0	4.0	4.4	13.0	10.2	8.0	9.6
Wyoming	.1	3	2	1	2	.7	1.8	.6	1.8
Outlying areas	13.9	18.2	46.5	1.5	14.9	11.0	6.9	13.1	.5
Puerto Rico	NA	NA	NA	NA	NA	NA	NA	NA	4
Other Areas	NA	NA	NA	NA	NA	NA	NA	NA	-
Offices abroad	4.5	1.0	9	16.8	.3	5	6	.6	.7

NOTES: For each year, the data shown include the obligations of the 10 or 11 major R&D-supporting agencies which were requested to report to this section of the survey in that year, and represent 96 percent or more of the total Federal R&D obligations in that year.

Although the nongeographic historical tables incorporate corrections to previously reported data that have been submitted by the reporting agencies, corresponding corrections to the geographic distributions are rarely obtainable.

Because of rounding, detail may not add to totals.

KEY:
- = Amount less than 50 thousand dollars
NA = Not applicable (indicates that the data collected for this table were not recorded at that level in that particular fiscal year)

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1994, 1995, and 1996

APPENDIX A.

AGENCIES INCLUDED IN THIS SURVEY, VOLUMES 25 TO 44

Table A-1. Agencies included in the Survey of Federal Funds for Research and Development: Volumes 25–34

Page 1 of 5

Agency	Vol 25	Vol 26	Vol 27	Vol 28	Vol 29	Vol 30	Vol 31	Vol 32	Vol 33	Vol 34
Department of Agriculture	T	T	T	T	T	T	T	T	T	T
Agricultural Cooperative Service	x	x	O	O	O	x	x	x	x	x
Agricultural Marketing Service	N	N	N	N	x	x	x	x	x	x
Agricultural Research Service	N	N	N	N	N	N	x	x	x	x
Animal and Plant Health Inspection Service	N	N	O	O	O	O	O	O	O	O
Cooperative State Research, Education, and Extension Service	N	N	N	N	N	N	x	x	x	x
Economics, Statistics, and Cooperative Service	N	N	x	x	x	N	N	N	N	N
Economic Research Service	x	x	N	N	N	N	N	N	N	N
Farmer Cooperative Research Service	x	x	N	N	N	N	N	N	N	N
Statistical Reporting Service	x	x	N	N	N	N	N	N	N	N
Economics and Statistics Service	N	N	N	N	N	x	N	N	N	N
Economic Research Service	N	N	N	N	N	N	x	x	x	x
Federal Grain Inspection Service	N	O	O	O	O	O	O	O	O	O
Forest Service	x	x	x	x	x	x	x	x	x	x
Human Nutrition Information Service	N	N	N	N	N	N	x	x	x	x
Office of International Cooperation and Development	N	N	N	N	x	x	x	x	x	x
Office of Transportation	N	N	N	N	x	x	x	x	x	x
Science and Education Administration	T	T	T	T	T	N	N	N	N	N
Agricultural Research Service	x	x	x	x	x	x	N	N	N	N
Cooperative State Research Service	x	x	x	x	x	x	N	N	N	N
National Agricultural Library	x	x	N	N	N	N	N	N	N	N
National Agricultural Statistics Service	x	x	N	N	N	N	x	x	x	x
Foreign Agricultural Service	N	N	N	N	N	N	N	N	N	O
Department of Commerce	T	T	T	T	T	T	T	T	T	T
Bureau of the Census	x	x	x	x	x	x	x	x	x	x
Economic Development Administration	x	x	x	x	x	x	x	x	x	x
Energy Research and Technology Administration	N	N	N	N	N	N	x	N	N	N
Environmental Science Services Administration	N	N	N	N	N	N	N	N	N	N
Maritime Administration	x	x	x	x	x	x	N	N	N	N
National Institute of Standards and Technology	x	x	x	x	x	x	x	x	x	x
National Fire Prevention and Control Administration	x	x	x	N	N	N	N	N	N	N
National Oceanic and Atmospheric Administration	x	x	x	x	x	x	x	x	x	x
National Technical Information Service	x	x	O	O	O	O	O	O	O	O
National Telecommunications and Information Administration	N	N	x	x	x	x	x	x	x	x
Minority Business Development Agency	x	x	x	O	O	O	O	O	O	O
Office of Productivity, Technology, and Innovation	N	N	N	N	N	N	N	N	N	N
Office of Telecommunications	x	x	N	N	N	N	N	N	N	N
Office of the Secretary	O	O	O	O	x	x	O	x	x	x
Patent and Trademark Office	x	x	x	x	x	x	x	x	O	O
U.S. Travel and Tourism Administration	O	O	O	O	O	O	O	O	O	O
Department of Defense	T	T	T	T	T	T	T	T	T	T
Department of the Army	T	T	T	T	T	T	T	T	T	T
Department of the Army, Military Functions	x	x	x	x	x	x	x	x	x	x
Department of the Army, Civil Functions	x	x	x	x	x	x	x	x	x	x
Department of the Navy	x	x	x	x	x	x	x	x	x	x
Department of the Air Force	x	x	x	x	x	x	x	x	x	x
Defense Agencies	T	T	T	T	T	T	T	T	T	T
Joint Staff	O	O	O	O	O	O	O	O	O	O
Advanced Research Projects Agency	O	O	O	O	O	O	O	O	O	O
Washington Headquarters Service	O	O	O	O	O	O	O	O	O	O

See explanatory information and SOURCE at end of table.

Table A-1. Agencies included in the Survey of Federal Funds for Research and Development: Volumes 25–34

Page 2 of 5

Agency	Vol 25	Vol 26	Vol 27	Vol 28	Vol 29	Vol 30	Vol 31	Vol 32	Vol 33	Vol 34
Department of Defense—continued										
Ballistic Missile Defense Organization	O	O	O	O	O	O	O	O	O	O
Defense Nuclear Agency	O	O	O	O	O	O	O	O	O	O
Defense Mapping Agency	x	O	O	x	x	x	x	x	O	x
Defense Information Systems Agency	x	O	O	O	O	O	O	O	O	O
Uniformed Services University of the Health Sciences	x	x	x	x	x	x	x	x	x	x
Special Operations Command	O	O	O	O	O	O	O	O	x	x
Defense Logistics Agency	O	O	O	O	O	O	O	O	O	O
Defense Civil Preparedness Agency	x	x	x	x	N	N	N	N	N	N
Test and Evaluation, Deputy Under Secretary of Defense	x	x	x	x	x	x	x	x	x	x
Director, Operational Test and Evaluation	N	N	N	N	N	N	N	N	N	N
Assistant Secretary of Defense for Health Affairs	N	N	N	N	N	N	N	N	N	N
Department of Health, Education, and Welfare	T	T	T	T	N	N	N	N	N	N
Alcohol, Drug Abuse, and Mental Health Administration	x	x	x	x	N	N	N	N	N	N
Environmental Health Service	x	x	x	x	N	N	N	N	N	N
Centers for Disease Control	x	x	x	x	N	N	N	N	N	N
Food and Drug Administration	x	x	x	x	N	N	N	N	N	N
Health Care Financing Administration	N	N	x	x	N	N	N	N	N	N
Health Resources Administration	x	x	x	x	N	N	N	N	N	N
Health Services Administration	x	x	x	x	N	N	N	N	N	N
Health Services and Mental Health Administration	N	N	N	N	N	N	N	N	N	N
Office of Human Development Services	x	x	x	x	N	N	N	N	N	N
National Institute of Education	x	x	x	x	N	N	N	N	N	N
National Institutes of Health	x	x	x	x	N	N	N	N	N	N
Office of Assistant Secretary for Education	x	x	x	x	N	N	N	N	N	N
Office of Assistant Secretary for Health	O	O	x	x	N	N	N	N	N	N
Office of Child Development	N	N	N	N	N	N	N	N	N	N
Office of Education	x	x	x	x	N	N	N	N	N	N
Office of International Health	N	N	N	N	N	N	N	N	N	N
Office of the Secretary	x	x	x	x	N	N	N	N	N	N
Social and Rehabilitation Service	x	x	N	N	N	N	N	N	N	N
Social Security Administration	x	x	x	x	N	N	N	N	N	N
Department of Housing and Urban Development	x	x	x	x	x	x	x	x	x	x
Department of the Interior	T	T	T	T	T	T	T	T	T	T
Bonneville Power Administration	x	x	N	N	N	N	N	N	N	N
Bureau of Land Management	x	x	x	x	x	x	x	x	x	x
Bureau of Mines	x	x	x	x	x	x	x	x	x	x
Federal Water Pollution Control Administration	N	N	N	N	N	N	N	N	N	N
Bureau of Reclamation	x	x	x	x	x	x	x	x	x	x
Geological Survey	x	x	x	x	x	x	x	x	x	x
Minerals Management Service	N	N	N	N	N	N	N	O	x	x
Heritage Conservation and Recreation Service	x	x	x	N	N	N	N	N	N	N
National Park Service	x	x	x	x	x	x	x	x	x	x
National Resources Library	O	O	N	N	N	N	N	N	N	N
Office of Coal Research	N	N	N	N	N	N	N	N	N	N
Office of the Secretary	x	x	x	x	x	x	x	x	x	x
Office Surface Mining Reclamation and Enforcement	N	N	x	x	x	x	x	x	x	x
Office of Water Research and Technology	x	x	x	x	x	x	x	x	x	x

See explanatory information and SOURCE at end of table.

Table A-1. Agencies included in the Survey of Federal Funds for Research and Development: Volumes 25–34

Page 3 of 5

Agency	Vol 25	Vol 26	Vol 27	Vol 28	Vol 29	Vol 30	Vol 31	Vol 32	Vol 33	Vol 34
Department of the Interior—continued										
Office of Saline Water	N	N	N	N	N	N	N	N	N	N
Office of Water Resources Research	N	N	N	N	N	N	N	N	N	N
U.S. Fish and Wildlife Service	x	x	x	x	x	x	x	x	x	x
Bureau of Commercial Fisheries	N	N	N	N	N	N	N	N	N	N
Bureau of Sport Fisheries and Wildlife	N	N	N	N	N	N	N	N	N	N
Department of Justice	T	T	T	T	T	T	T	T	T	T
Bureau of Prisons	x	x	x	x	x	x	x	x	x	x
Drug Enforcement Administration	x	x	x	x	x	x	x	x	x	x
Federal Bureau of Investigation	x	x	x	x	x	x	x	x	x	x
Immigration and Naturalization Service	x	x	x	x	x	x	x	x	x	x
Office of Justice Programs	x	x	x	x	x	x	x	x	x	x
Office of Legal Policy	O	x	x	x	x	x	x	x	x	O
Department of Labor	T	T	T	T	T	T	T	T	T	T
Bureau of Apprenticeship and Training	N	N	N	N	N	N	N	N	N	N
Bureau of Employment Security	N	N	N	N	N	N	N	N	N	N
Bureau of Labor Statistics	x	x	x	x	x	x	x	x	x	x
Employment Standards Administration	x	x	x	x	x	x	x	x	x	x
Employment and Training Administration	x	x	x	x	x	x	x	x	x	x
Labor-Management Relations and Cooperative Programs	N	N	N	N	N	N	N	N	N	x
Labor-Management Services Administration	x	x	x	x	x	x	x	x	x	N
Occupational Safety and Health Administration	x	x	x	x	x	x	x	x	x	x
Office of the Secretary	x	x	x	x	x	x	x	x	x	x
Pension and Welfare Benefits Administration	N	N	N	N	N	N	N	N	N	x
Pension Benefit Guarantee Corporation	N	N	N	N	N	N	x	x	x	x
Wage and Hour Division	O	O	O	O	O	O	O	O	O	O
Department of State	T	T	T	T	T	T	T	x	x	x
Agency for International Development	x	x	x	x	N	N	N	N	N	N
Bureau of Intelligence and Research	O	O	O	O	O	O	O	O	O	O
Departmental Funds	x	x	x	x	x	x	x	O	O	O
Peace Corps	N	N	N	N	N	N	N	N	N	N
Department of Transportation	T	T	T	T	T	T	T	T	T	T
Coast Guard	x	x	x	x	x	x	x	x	x	x
Federal Aviation Administration	x	x	x	x	x	x	x	x	x	x
Federal Highway Administration	x	x	x	x	x	x	x	x	x	x
Federal Railroad Administration	x	x	x	x	x	x	x	x	x	x
Maritime Administration	N	N	N	N	N	N	x	x	x	x
National Highway Traffic Safety Administration	x	x	x	x	x	x	x	x	x	x
Office of the Secretary	x	x	x	x	x	x	x	x	x	x
Research and Special Programs Administration	N	N	O	x	x	x	x	x	x	x
Federal Transit Administration	x	x	x	x	x	x	x	x	x	x
Department of the Treasury	T	T	T	T	T	T	T	T	T	T
Bureau of Alcohol, Tobacco, and Firearms	O	O	x	x	x	x	x	N	N	N
Bureau of Engraving and Printing	x	x	x	x	x	x	x	x	x	x
Financial Crimes Enforcement Network	O	O	O	O	O	O	O	O	O	O
U.S. Customs Service	O	x	x	x	x	x	x	x	x	x
Internal Revenue Service	O	O	O	x	x	x	x	x	x	x
United States Mint	O	O	O	O	O	O	O	O	O	x
Office of Protective Research	N	N	N	N	N	x	x	x	x	x
Office of Thrift Supervision	N	N	N	N	N	N	N	N	N	N

See explanatory information and SOURCE at end of table.

Table A-1. Agencies included in the Survey of Federal Funds for Research and Development: Volumes 25–34

Page 4 of 5

Agency	Vol 25	Vol 26	Vol 27	Vol 28	Vol 29	Vol 30	Vol 31	Vol 32	Vol 33	Vol 34
Department of Energy	N	N	x	x	x	x	x	x	x	x
Department of Education	N	N	N	N	x	x	x	x	x	x
Department of Health and Human Services	N	N	N	N	T	T	T	T	T	T
Alcohol, Drug Abuse, and Mental Health Administration	N	N	N	N	x	x	x	x	x	x
Centers for Disease Control	N	N	N	N	x	x	x	x	x	x
Food and Drug Administration	N	N	N	N	x	x	x	x	x	x
Health Care Financing Administration	N	N	N	N	x	x	x	x	x	x
Health Resources Administration	N	N	N	N	x	x	x	N	N	N
Health Resources and Services Administration	N	N	N	N	N	N	N	x	x	x
Health Services Administration	N	N	N	N	x	x	x	N	N	N
Human Development Services	N	N	N	N	x	x	x	x	x	x
Administration for Children and Families	N	N	N	N	N	N	N	N	N	N
National Institutes of Health	N	N	N	N	x	x	x	x	x	x
Office of the Assistant Secretary for Health	N	N	N	N	x	x	x	x	x	x
Agency for Health Care Policy and Research	N	N	N	N	N	N	N	N	N	N
Office of the Secretary	N	N	N	N	x	x	x	x	x	x
Social Security Administration	N	N	N	N	x	x	x	x	x	x
Administration on Aging	N	N	N	N	N	N	N	N	N	N
Other agencies										
ACTION	x	x	x	x	x	O	O	O	O	O
Advisory Commission on Intergovernmental Relations	x	x	x	x	x	x	x	x	x	x
Appalachian Regional Commission	N	x	x	x	x	x	x	x	x	x
Atomic Energy Commission	N	N	N	N	N	N	N	N	N	N
Civil Aeronautics Board	O	O	O	O	O	N	N	N	N	N
Civil Service Commission	x	x	x	N	N	N	N	N	N	N
Community Services Administration	x	x	x	x	x	x	x	N	N	N
Consumer Product Safety Commission	x	x	x	x	x	x	x	x	x	x
Energy Research and Development Administration	x	x	N	N	N	N	N	N	N	N
Energy Security Trust Fund	N	N	N	N	x	N	N	N	N	N
Environmental Protection Agency	x	x	x	x	x	x	x	x	x	x
Federal Communications Commission	x	x	x	x	x	x	x	x	x	x
Federal Emergency Management Agency	N	N	N	x	x	x	x	x	x	x
Federal Energy Administration	x	x	N	N	N	N	N	N	N	N
Office of Thrift Supervision	x	x	x	x	x	x	x	x	x	x
Federal Trade Commission	x	x	x	x	x	x	x	x	x	x
General Services Administration	x	x	x	x	x	x	x	x	x	x
United States Information Agency	x	x	x	x	x	x	x	x	x	x
Agency for International Development	N	N	N	N	x	x	x	x	x	x
Interstate Commerce Commission	O	x	x	x	x	x	O	O	O	O
Library of Congress	x	x	x	x	x	x	x	x	x	x
National Aeronautics and Space Administration	x	x	x	x	x	x	x	x	x	x
National Archives and Records Administration	N	N	N	N	N	N	N	N	N	N
National Science Foundation	x	x	x	x	x	x	x	x	x	x
Nuclear Regulatory Commission	x	x	x	x	x	x	x	x	x	x
Office of Economic Opportunity	N	N	N	N	N	N	N	N	N	N
Office of Emergency Preparedness	N	N	N	N	N	N	N	N	N	N
Office of Personnel Management	N	N	N	x	x	x	x	O	O	O
Office of Science and Technology	N	N	N	N	N	N	N	N	N	N
Office of Telecommunications Policy	x	x	N	N	N	N	N	N	N	N

See explanatory information and SOURCE at end of table.

Table A-1. Agencies included in the Survey of Federal Funds for Research and Development: Volumes 25–34

Page 5 of 5

Agency	Vol 25	Vol 26	Vol 27	Vol 28	Vol 29	Vol 30	Vol 31	Vol 32	Vol 33	Vol 34
Other agencies—continued										
Postal Service	O	O	O	O	O	O	O	O	O	O
Small Business Administration	x	x	x	O	O	O	O	O	O	O
Smithsonian Institution	x	x	x	x	x	x	x	x	x	x
Special Action Office for Drug Abuse Prevention	x	N	N	N	N	N	N	N	N	N
Tennessee Valley Authority	x	x	x	x	x	x	x	x	x	x
U.S. Arms Control and Disarmament Agency	x	x	x	x	x	x	x	x	x	x
U.S. International Trade Commission	O	x	x	x	x	x	x	x	x	x
Department of Veteran Affairs	x	x	x	x	x	x	x	x	x	x

NOTE: Federal funds data, as collected, always span 3 Government fiscal years: the fiscal year just completed, the current fiscal year, and the President's budget year. Actual data are collected for the year just completed, and estimates are obtained for the current fiscal year and the budget year. For Volume 44 (see table A-2), for example, actual data were collected for FY 1994 and estimates were collected for FY 1995 and FY 1996.

KEY:
N = The agency did not exist as such; therefore no data are available.
O = The agency existed but had no R&D to report.
T = The agency existed but data were not collected at this level.
x = The agency existed and data were collected and submitted by the agency.

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1994, 1995, and 1996

Table A-2. Agencies included in the Survey of Federal Funds for Research and Development: Volumes 35–44

Page 1 of 5

Agency	Vol 35	Vol 36	Vol 37	Vol 38	Vol 39	Vol 40	Vol 41	Vol 42	Vol 43	Vol 44
Department of Agriculture	T	T	T	T	T	T	T	T	T	T
Agricultural Cooperative Service	x	x	x	x	x	x	x	x	x	x
Agricultural Marketing Service	x	x	x	x	x	x	x	x	x	x
Agricultural Research Service	x	x	x	x	x	x	x	x	x	x
Animal and Plant Health Inspection Service	O	x	x	x	x	x	x	x	x	x
Cooperative State Research, Education, and Extension Service	x	x	x	x	x	x	x	x	x	x
Economics, Statistics, and Cooperative Service	N	N	N	N	N	N	N	N	N	N
Economic Research Service	N	N	N	N	N	N	N	N	N	N
Farmer Cooperative Research Service	N	N	N	N	N	N	N	N	N	N
Statistical Reporting Service	N	N	N	N	N	N	N	N	N	N
Economics and Statistics Service	N	N	N	N	N	N	N	N	N	N
Economic Research Service	x	x	x	x	x	x	x	x	x	x
Federal Grain Inspection Service	x	x	x	x	x	x	x	x	x	x
Forest Service	x	x	x	x	x	x	x	x	x	x
Human Nutrition Information Service	x	x	x	x	x	x	x	x	x	x
Office of International Cooperation and Development	x	x	x	x	x	x	x	x	x	N
Office of Transportation	x	x	x	x	N	N	N	N	N	N
Science and Education Administration	N	N	N	N	N	N	N	N	N	N
Agricultural Research Service	N	N	N	N	N	N	N	N	N	N
Cooperative State Research Service	N	N	N	N	N	N	N	N	N	N
National Agricultural Library	N	N	N	N	N	N	N	N	N	N
National Agricultural Statistics Service	x	x	x	x	x	x	x	x	x	x
Foreign Agricultural Service	O	O	O	O	O	O	O	O	x	x
Rural Business and Cooperative Development Service	N	N	N	N	N	N	N	N	N	x
Department of Commerce	T	T	T	T	T	T	T	T	T	T
Bureau of the Census	x	x	x	x	x	x	x	x	x	x
Economic Development Administration	x	x	x	x	x	x	x	x	x	x
Energy Research and Technology Administration	N	N	N	N	N	N	N	N	N	N
Environmental Science Services Administration	N	N	N	N	N	N	N	N	N	N
Maritime Administration	N	N	N	N	N	N	N	N	N	N
National Institute of Standards and Technology	x	x	x	x	x	x	x	x	x	x
National Fire Prevention and Control Administration	N	N	N	N	N	N	N	N	N	N
National Oceanic and Atmospheric Administration	x	x	x	x	x	x	x	x	x	x
National Technical Information Service	O	O	O	O	O	O	O	O	O	O
National Telecommunications and Information Administration	x	x	x	x	x	x	x	x	x	x
Minority Business Development Agency	O	O	O	O	O	O	O	O	O	O
Office of Productivity, Technology, and Innovation	N	N	N	N	N	N	N	N	N	N
Office of Telecommunications	N	N	N	N	N	N	N	N	N	N
Office of the Secretary	x	x	x	O	O	O	O	O	x	x
Patent and Trademark Office	O	O	O	O	O	O	O	O	O	O
U.S. Travel and Tourism Administration	O	O	O	O	O	O	O	O	O	O
Department of Defense	T	T	T	T	T	T	T	T	T	T
Department of the Army	T	T	T	T	T	T	T	T	T	T
Department of the Army, Military Functions	x	x	x	x	x	x	x	x	x	x
Department of the Army, Civil Functions	x	x	x	x	x	x	x	x	x	x
Department of the Navy	x	x	x	x	x	x	x	x	x	x
Department of the Air Force	x	x	x	x	x	x	x	x	x	x
Defense Agencies	T	T	T	T	T	T	T	T	T	T
Joint Staff	O	O	x	x	x	x	x	x	x	x
Advanced Research Projects Agency	O	O	x	x	x	x	x	x	x	x
Washington Headquarters Service	O	O	O	O	O	x	x	x	x	x

See explanatory information and SOURCE at end of table.

Table A-2. Agencies included in the Survey of Federal Funds for Research and Development: Volumes 35–44

Page 2 of 5

Agency	Vol 35	Vol 36	Vol 37	Vol 38	Vol 39	Vol 40	Vol 41	Vol 42	Vol 43	Vol 44
Department of Defense—continued										
Ballistic Missile Defense Organization	O	O	O	O	O	x	x	x	x	x
Defense Nuclear Agency	O	x	x	x	x	x	x	x	x	x
Defense Mapping Agency	x	x	x	x	x	x	x	x	x	x
Defense Information Systems Agency	O	O	O	O	O	x	x	x	x	x
Uniformed Services University of the Health Sciences	x	x	x	x	x	x	x	x	x	x
Special Operations Command	x	x	x	x	x	x	x	x	x	x
Defense Logistics Agency	O	O	x	x	x	x	x	x	x	x
Defense Civil Preparedness Agency	N	N	N	N	N	N	N	N	N	N
Test and Evaluation, Deputy Under Secretary of Defense	x	x	x	x	x	x	x	x	x	x
Director, Operational Test and Evaluation	N	O	x	x	x	x	x	x	x	x
Assistant Secretary of Defense for Health Affairs	N	N	N	N	N	N	x	O	O	O
Department of Health, Education, and Welfare	N	N	N	N	N	N	N	N	N	N
Alcohol, Drug Abuse, and Mental Health Administration	N	N	N	N	N	N	N	N	N	N
Environmental Health Service	N	N	N	N	N	N	N	N	N	N
Centers for Disease Control	N	N	N	N	N	N	N	N	N	N
Food and Drug Administration	N	N	N	N	N	N	N	N	N	N
Health Care Financing Administration	N	N	N	N	N	N	N	N	N	N
Health Resources Administration	N	N	N	N	N	N	N	N	N	N
Health Services Administration	N	N	N	N	N	N	N	N	N	N
Health Services and Mental Health Administration	N	N	N	N	N	N	N	N	N	N
Office of Human Development Services	N	N	N	N	N	N	N	N	N	N
National Institute of Education	N	N	N	N	N	N	N	N	N	N
National Institutes of Health	N	N	N	N	N	N	N	N	N	N
Office of Assistant Secretary for Education	N	N	N	N	N	N	N	N	N	N
Office of Assistant Secretary for Health	N	N	N	N	N	N	N	N	N	N
Office of Child Development	N	N	N	N	N	N	N	N	N	N
Office of Education	N	N	N	N	N	N	N	N	N	N
Office of International Health	N	N	N	N	N	N	N	N	N	N
Office of the Secretary	N	N	N	N	N	N	N	N	N	N
Social and Rehabilitation Service	N	N	N	N	N	N	N	N	N	N
Social Security Administration	N	N	N	N	N	N	N	N	N	N
Department of Housing and Urban Development	x	x	x	x	x	x	x	x	x	x
Department of the Interior	T	T	T	T	T	T	T	T	T	T
Bonneville Power Administration	N	N	N	N	N	N	N	N	N	N
Bureau of Land Management	x	x	x	x	x	x	x	x	x	x
Bureau of Mines	x	x	x	x	x	x	x	x	x	x
Federal Water Pollution Control Administration	N	N	N	N	N	N	N	N	N	N
Bureau of Reclamation	x	x	x	x	x	x	x	x	x	x
Geological Survey	x	x	x	x	x	x	x	x	x	x
Minerals Management Service	x	x	x	x	x	x	x	x	x	x
Heritage Conservation and Recreation Service	N	N	N	N	N	N	N	N	N	N
National Biological Service	N	N	N	N	N	N	N	N	x	x
National Park Service	x	x	x	x	x	x	x	x	x	x
National Resources Library	N	N	N	N	N	N	N	N	N	N
Office of Coal Research	N	N	N	N	N	N	N	N	N	N
Office of the Secretary	x	x	x	x	x	x	x	x	x	x
Office Surface Mining Reclamation and Enforcement	x	x	x	x	x	x	x	x	x	x
Office of Water Research and Technology	N	N	N	N	N	N	N	N	N	N
Office of Saline Water	N	N	N	N	N	N	N	N	N	N
Office of Water Resources Research	N	N	N	N	N	N	N	N	N	N

See explanatory information and SOURCE at end of table.

Table A-2. Agencies included in the Survey of Federal Funds for Research and Development: Volumes 35–44

Page 3 of 5

Agency	Vol 35	Vol 36	Vol 37	Vol 38	Vol 39	Vol 40	Vol 41	Vol 42	Vol 43	Vol 44
Department of the Interior—continued										
U.S. Fish and Wildlife Service	x	x	x	x	x	x	x	x	O	O
Bureau of Commercial Fisheries	N	N	N	N	N	N	N	N	N	N
Bureau of Sport Fisheries and Wildlife	N	N	N	N	N	N	N	N	N	N
Department of Justice	T	T	T	T	T	T	T	T	T	T
Bureau of Prisons	x	x	x	x	x	x	x	x	x	x
Drug Enforcement Administration	x	x	x	x	x	x	x	x	x	x
Federal Bureau of Investigation	x	x	x	x	x	x	x	x	x	x
Immigration and Naturalization Service	x	x	x	x	x	x	x	x	x	x
Office of Justice Programs	x	x	x	x	x	x	x	x	x	x
Office of Legal Policy	x	x	x	O	O	O	O	O	O	O
Department of Labor	T	T	T	T	T	T	T	T	T	T
Bureau of Apprenticeship and Training	N	N	N	N	N	N	N	N	N	N
Bureau of Employment Security	N	N	N	N	N	N	N	N	N	N
Bureau of Labor Statistics	x	x	x	x	x	x	x	x	x	x
Employment Standards Administration	x	x	x	x	x	x	O	O	O	O
Employment and Training Administration	x	x	x	x	x	x	x	x	x	x
Labor-Management Relations and Cooperative Programs	x	x	x	x	x	N	N	N	N	N
Labor-Management Services Administration	N	N	N	N	N	N	N	N	N	N
Occupational Safety and Health Administration	x	x	x	x	x	x	x	x	x	x
Office of the Secretary	x	x	x	x	x	x	x	x	x	x
Pension and Welfare Benefits Administration	x	x	x	x	x	x	x	x	x	x
Pension Benefit Guarantee Corporation	x	x	x	x	x	x	x	x	x	x
Wage and Hour Division	O	O	O	O	O	O	O	O	O	O
Department of State	x	x	x	x	T	T	T	T	T	T
Agency for International Development	N	N	N	N	N	N	N	N	N	N
Bureau of Intelligence and Research	O	O	O	O	x	x	x	x	x	x
Departmental Funds	O	O	O	O	O	O	O	O	O	O
Peace Corps	N	N	N	N	N	N	N	N	N	N
Department of Transportation	T	T	T	T	T	T	T	T	T	T
Coast Guard	x	x	x	x	x	x	x	x	x	x
Federal Aviation Administration	x	x	x	x	x	x	x	x	x	x
Federal Highway Administration	x	x	x	x	x	x	x	x	x	x
Federal Railroad Administration	x	x	x	x	x	x	x	x	x	x
Maritime Administration	x	x	x	x	O	x	x	x	x	x
National Highway Traffic Safety Administration	x	x	x	x	x	x	x	x	x	x
Office of the Secretary	x	x	x	x	x	x	x	x	x	x
Research and Special Programs Administration	x	x	x	x	x	x	x	x	x	x
Federal Transit Administration	x	x	x	x	x	x	x	x	x	x
Department of the Treasury	T	T	T	T	T	T	T	T	T	T
Bureau of Alcohol, Tobacco, and Firearms	N	N	N	N	N	N	N	N	N	N
Bureau of Engraving and Printing	x	x	x	x	x	x	x	x	x	x
Financial Crimes Enforcement Network	O	O	O	O	O	O	x	x	O	O
U.S. Customs Service	x	x	x	x	x	x	x	x	x	x
Internal Revenue Service	x	x	x	x	x	x	x	x	x	x
United States Mint	x	x	x	x	x	x	x	x	x	x
U.S. Secret Service	x	x	x	x	x	x	x	x	x	x
Office of Thrift Supervision	N	N	N	N	N	O	x	x	x	x
Department of Energy	x	x	x	x	x	x	x	x	x	x

See explanatory information and SOURCE at end of table.

Table A-2. Agencies included in the Survey of Federal Funds for Research and Development: Volumes 35–44

Page 4 of 5

Agency	Vol 35	Vol 36	Vol 37	Vol 38	Vol 39	Vol 40	Vol 41	Vol 42	Vol 43	Vol 44
Department of Education	x	x	x	x	x	x	x	x	x	x
Department of Health and Human Services	T	T	T	T	T	T	T	T	T	T
Alcohol, Drug Abuse, and Mental Health Administration	x	x	x	x	x	x	x	O	N	N
Centers for Disease Control	x	x	x	x	x	x	x	x	x	x
Food and Drug Administration	x	x	x	x	x	x	x	x	x	x
Health Care Financing Administration	x	x	x	x	x	x	x	x	x	x
Health Resources Administration	N	N	N	N	N	N	N	N	N	N
Health Resources and Services Administration	x	x	x	x	x	x	x	x	x	x
Health Services Administration	N	N	N	N	N	N	N	N	N	N
Human Development Services	x	x	x	x	x	x	N	N	N	N
Administration for Children and Families	N	N	N	N	N	O	x	x	x	x
National Institutes of Health	x	x	x	x	x	x	x	x	x	x
Office of the Assistant Secretary for Health	x	x	x	x	x	x	x	x	x	x
Agency for Health Care Policy and Research	N	N	N	N	N	x	x	x	x	x
Office of the Secretary	x	x	x	x	x	x	x	x	x	x
Social Security Administration	x	x	x	x	x	x	x	x	x	N
Administration on Aging	N	N	N	N	N	N	x	x	x	x
Other agencies										
ACTION	O	O	O	O	O	O	O	O	O	O
Advisory Commission on Intergovernmental Relations	x	x	x	x	x	x	x	x	x	x
Appalachian Regional Commission	x	x	x	x	x	x	x	x	x	x
Atomic Energy Commission	N	N	N	N	N	N	N	N	N	N
Civil Aeronautics Board	N	N	N	N	N	N	N	N	N	N
Civil Service Commission	N	N	N	N	N	N	N	N	N	N
Community Services Administration	N	N	N	N	N	N	N	N	N	N
Consumer Product Safety Commission	x	x	x	x	x	x	x	x	x	x
Energy Research and Development Administration	N	N	N	N	N	N	N	N	N	N
Energy Security Trust Fund	N	N	N	N	N	N	N	N	N	N
Environmental Protection Agency	x	x	x	x	x	x	x	x	x	x
Federal Communications Commission	x	x	x	x	x	x	x	x	x	x
Federal Emergency Management Agency	x	O	O	O	O	O	O	O	O	O
Federal Energy Administration	N	N	N	N	N	N	N	N	N	N
Office of Thrift Supervision	N	N	N	N	x	x	N	N	N	N
Federal Trade Commission	x	x	x	x	x	x	x	x	x	x
General Services Administration	x	x	x	x	x	x	x	x	x	x
United States Information Agency	x	x	x	x	x	x	x	x	x	x
Agency for International Development	x	x	x	x	x	x	x	x	x	x
Interstate Commerce Commission	O	O	O	O	O	O	O	O	O	O
Library of Congress	x	x	x	x	x	x	x	x	x	x
National Aeronautics and Space Administration	x	x	x	x	x	x	x	x	x	x
National Archives and Records Administration	x	x	x	x	x	x	x	x	x	x
National Science Foundation	x	x	x	x	x	x	x	x	x	x
Nuclear Regulatory Commission	x	x	x	x	x	x	x	x	x	x
Office of Economic Opportunity	N	N	N	N	N	N	N	N	N	N
Office of Emergency Preparedness	N	N	N	N	N	N	N	N	N	N
Office of Personnel Management	O	O	O	O	O	O	O	O	O	O
Office of Science and Technology	N	N	N	N	N	N	N	N	N	N
Office of Telecommunications Policy	N	N	N	N	N	N	N	N	N	N
Postal Service	O	O	O	O	O	O	O	O	O	O
Small Business Administration	O	O	O	O	O	O	O	O	O	O
Smithsonian Institution	x	x	x	x	x	x	x	x	x	x

See explanatory information and SOURCE at end of table.

Table A-2. Agencies included in the Survey of Federal Funds for Research and Development: Volumes 35–44

Page 5 of 5

Agency	Vol 35	Vol 36	Vol 37	Vol 38	Vol 39	Vol 40	Vol 41	Vol 42	Vol 43	Vol 44
Other agencies—continued										
Social Security Administration	N	N	N	N	N	N	N	N	N	x
Special Action Office for Drug Abuse Prevention	N	N	N	N	N	N	N	N	N	N
Tennessee Valley Authority	x	x	x	x	x	x	x	x	x	x
U.S. Arms Control and Disarmament Agency	x	x	x	x	x	x	x	x	x	x
U.S. International Trade Commission	x	x	x	x	x	x	x	x	x	x
Department of Veteran Affairs	x	x	x	x	x	x	x	x	x	x

NOTE: Federal funds data, as collected, always span 3 Government fiscal years: the fiscal year just completed, the current fiscal year, and the President's budget year. Actual data are collected for the year just completed, and estimates are obtained for the current fiscal year and the budget year. For Volume 44, for example, actual data were collected for FY 1994 and estimates were collected for FY 1995 and FY 1996.

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T = The agency existed but data were not collected at this level.
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SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1994, 1995, and 1996.

NOTES

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